



UAT Compliance and Functional Assessment Checklist for Agricultural App - CAGRIB'S

Done by Further Solutions Group Limited

Version 1.0

Introduction

This checklist is designed to ensure comprehensive User Acceptance Testing (UAT) for an agricultural application used by credit unions to grant nano loans to small farmers and to sell farm products. Each section must achieve at least **75%** of the total score to pass.

Section	Total Score	Passing Score (75%)
Compliance	60	45
ADMIN Module	40	30
Cooperative Module	30	22.5
Member Module	20	15
General Functionality	40	30
Total	190	142.5

Before completing the checklist, please provide information relating to the name of the organization completing the checklist as well as the individuals in the organization concerned with the project organization. This checklist ensures that each aspect of the application is thoroughly tested for compliance and functionality, with detailed and specific questions. Each section must score at least 75% to be considered passing, ensuring both compliance with relevant standards and satisfactory user experience. Complete the table below;

Date of Assessment: (dd, mm, yy)		Audit Round No.	
Company Name for assessment:			
Name of Application under consideration:			
Number of personnel:			
Name of Auditor 1:	Baleri Bambo Vitalis	Name of Auditor 2:	Lemnga Njini Crispus

Instructions, Ensure there is documented evidence for every point you mark a "Yes", if done but not documented, place "Partial" and "No" if not done.



Part 1: Compliance Checklist

SN	Question	Score
1	Access Control: Compliance	
2	Are user authentication mechanisms (e.g., login, and password policies) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
3	Is multi-factor authentication (MFA) implemented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
4	Are role-based access controls (RBAC) defined and enforced?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
5	Data Protection: Compliance	
6	Is data encryption used for data at rest and in transit?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
7	Are data backup and recovery processes in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
8	Are privacy policies aligned with GDPR or other relevant regulations?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
9	Incident Management: Compliance	
10	Are there procedures for incident detection and response?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
11	Are users able to report security incidents easily?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
12	Is there a log management system for monitoring and auditing?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
13	Physical Security: Compliance	
14	Are data centers where data is stored secured physically?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
15	Is there access control for physical locations hosting critical infrastructure?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
16	Compliance and Legal: Compliance	
17	Does the application comply with industry-specific regulations?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
18	Are there regular audits and assessments to ensure ongoing compliance?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
19	System Reliability and Availability: Compliance	
20	Are SLAs (Service Level Agreements) defined and met?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
21	Is there a disaster recovery plan?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



22	Change Management: Compliance	
23	Is there a documented process for managing changes in the system?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
24	Are changes tested and approved before deployment?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
25	Performance and Scalability: Compliance	
26	Does the system meet performance benchmarks under load?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
27	Can the system scale to accommodate future growth?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
28	User Data and Privacy: Compliance	
29	Are user data collection and usage policies transparent?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
30	Are users informed about how their data will be used and stored?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
31	Is user consent obtained for data collection?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
32	Is there an option for users to withdraw consent?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
33	Are data retention policies clearly defined?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
34	Is there a process for data anonymization?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
35	Are third-party data sharing agreements in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
36	Is there an audit trail for data access?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
37	Are regular data privacy impact assessments conducted?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
38	Are there mechanisms for data breach notifications?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
39	Is there a designated data protection officer (DPO)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
40	Are privacy policies reviewed regularly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
41	Compliance Total	60

Part 2: Functional Assessment Checklist



ADMIN Module

SN	Question	Score
42	Can administrators log in securely?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
43	Are login attempts logged?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
44	Is the process of registering an admin user straightforward and secure?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
45	Can admins create new cooperatives?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
46	Are cooperative details stored and retrievable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
47	Can admins view a list of all cooperatives?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
48	Is the information up-to-date?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
49	Can announcements be posted and viewed by users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
50	Are notifications sent for new announcements?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
51	Is there a functionality to upload and manage videos?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
52	Can admins view all transactions?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
53	Is transaction data accurate and up-to-date?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
54	Are there tools for data analysis and reporting?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
55	Can loans be managed efficiently (approval, disbursement, tracking)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
56	Is there a system to manage and track deliveries?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
57	Is there a help system for admins?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
58	Are application settings configurable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
59	Can admins check messages from users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
60	Can admins send messages to users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



61	Can admins manage pre-orders effectively?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
62	Can admins export data for reporting purposes?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
63	Is there a dashboard for quick insights?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
64	Are admin roles customizable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
65	Can admins set up automated alerts?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
66	Are admin actions logged and auditable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
67	Is there a user-friendly interface for admins?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
68	Can admins generate reports on system usage?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
69	Is there a secure logout option?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
70	Can admins configure security settings?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
71	Are there tools for managing user permissions?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
72	Is there an admin help and support system?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
73	Is there a functionality for reviewing user feedback?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
74	Are system updates communicated to admins?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
75	Can admins manage cooperative memberships?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
76	Is there a system for tracking loan repayments?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
77	Can admins view system logs?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
78	Are admin functions accessible on mobile devices?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
79	Is there a way to recover admin accounts?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
80	ADMIN Module Total	40



Cooperative Module

SN	Question	Score
81	Can cooperative members log in securely?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
82	Can users modify their account information?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
83	Is the loan application process straightforward?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
84	Can cooperatives post updates and view them?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
85	Is there a messaging system to communicate with admins?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
86	Can users view their transaction history?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
87	Is the product purchasing process functional?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
88	Can users post and view videos?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
89	Is video upload functionality working?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
90	Are AI-driven help and directives available and accurate?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
91	Can cooperative admins manage user requests and queries?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
92	Is there a system for making user requests and queries?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
93	Can cooperatives manage their profiles?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
94	Is there a system for cooperative announcements?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
95	Can cooperatives track member activities?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
96	Is there a dashboard for cooperatives?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
97	Can cooperatives manage their products for sale?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
98	Is there a reporting tool for cooperatives?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
99	Can cooperatives view system alerts?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



100	Cooperative Module Total	30

Member Module

SN	Question	Score
101	Is the account login and registration process secure and user-friendly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
102	Can members update their account information?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
103	Can members send messages to the admin?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
104	Is the product purchasing system functional and secure?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
105	Can members view their transaction history?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
106	Is video viewing functionality working properly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
107	Can members view updates posted by cooperatives?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
108	Are help and directives from AI accessible and useful?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
109	Can members participate in cooperative activities?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
110	Is there a feedback system for members?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
111	Is the member interface user-friendly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
112	Can members set up alerts for updates?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
113	Can members access help resources easily?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
114	Is there a system for managing member queries?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
115	Can members track their loan applications?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
116	Is there a secure logout option for members?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



117	Are member actions logged and auditable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
118	Is there a dashboard for members?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
119	Are member profiles customizable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
120	Member Module Total	20

Part 3: General Functionality

SN	Question	Score
121	Is the user interface intuitive and easy to navigate?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
122	Are error messages helpful and clear?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
123	Is the application responsive and does it work on various devices?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
124	Are all forms and data inputs validated correctly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
125	Is the system performance acceptable under load?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
126	Are there any bugs or crashes during use?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
127	Is the application compatible with different browsers?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
128	Is the application compatible with different operating systems?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
129	Are loading times acceptable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
130	Is the layout consistent across all pages?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
131	Are fonts and colors used consistently?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
132	Is navigation between pages smooth?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
133	Is there a search functionality and does it work correctly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



134	Is there a help section and is it comprehensive?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
135	Are notifications timely and relevant?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
136	Is user feedback incorporated into the application?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
137	Are updates and patches implemented smoothly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
138	Is there a system for reporting bugs?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
139	Are tooltips and guides available for new users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
140	Is the application's design user-friendly for all ages?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
141	Is the application accessible for users with disabilities?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
142	Is there a consistent user experience across all modules?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
143	Can users easily find the information they need?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
144	Is there a FAQ section and is it helpful?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
145	Are there feedback mechanisms for users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
146	Can users export data for their own use?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
147	Is there a robust support system for users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
148	Are system updates and maintenance periods communicated to users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
149	Is there an option for users to customize their interface?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
150	General Functionality Total	40



ISO/IEC 12207 Compliance Assessment for Software Development Lifecycle (SDLC)

SN	Question	Score
1	Initiation and Planning	
2	Has a project plan been developed and documented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
3	Are the project objectives and scope clearly defined?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
4	Are all stakeholders identified and their roles defined?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
5	Are risk management strategies in place and documented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
6	Requirements Analysis	
7	Are software requirements documented and approved by stakeholders?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
8	Are functional requirements clearly defined and documented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
9	Are non-functional requirements (e.g., performance, security) specified?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
10	Is there a process for managing changes to requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
11	System and Software Design	
12	Is there a documented system architecture design?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
13	Are design reviews conducted and documented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



14	Are interfaces between system components clearly defined?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
15	Are security design considerations included in the design?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
16	Implementation and Coding	
17	Is there a coding standard followed by all developers?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
18	Are code reviews and inspections regularly conducted?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
19	Are version control and source code management tools used?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
20	Is there a process for integrating and testing code modules?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
21	Testing and Validation	
22	Are unit tests created and executed for all code modules?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
23	Is there a process for system integration testing?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
24	Are user acceptance tests (UAT) planned and executed?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
25	Is there a process for logging and resolving defects?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
26	Deployment and Maintenance	
27	Is there a deployment plan and rollback strategy?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
28	Are user manuals and documentation provided for end users?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



29	Is there a process for training users on the new system?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
30	Is there a maintenance plan for ongoing support and updates?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
31	Project Management and Quality Assurance	
32	Are project milestones and deliverables clearly defined?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
33	Are regular project status meetings held and documented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
34	Are quality assurance (QA) processes and metrics defined?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
35	Is there an independent QA team to verify project quality?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
36	Configuration Management	
37	Is there a configuration management plan in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
38	Are configuration items identified and controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
39	Are changes to configuration items tracked and documented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
40	Are configuration audits conducted regularly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
TOTAL SCORE		32

Security and Infrastructure Compliance Assessment for Web and Mobile Applications

SN	Question	Score
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1	Web Application Security	
2	Is HTTPS enforced across the entire web application?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
3	Are secure headers (e.g., Content Security Policy, X-Content-Type-Options) implemented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
4	Are input validation and output encoding used to prevent XSS (Cross-Site Scripting) attacks?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
5	Is SQL injection protection in place (e.g., prepared statements, ORM)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
6	Are user passwords hashed and salted before storage?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
7	Is session management secure (e.g., session expiration, secure cookies)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
8	Are regular security audits and penetration tests conducted?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
9	Is there a process for patching and updating the web server and related software?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
10	Are detailed logs maintained and monitored for suspicious activities?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
11	Mobile Application Security	
12	Are secure coding practices followed for mobile app development?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
13	Is data stored on the mobile device encrypted?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
14	Are API communications between the mobile app and server encrypted using TLS?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
15	Are authentication tokens stored securely on the device?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



16	Is there a mechanism to remotely wipe data from the mobile app if the device is lost or stolen?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
17	Are permissions requested by the app minimized and justified?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
18	Are regular security assessments conducted for the mobile application?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
19	Are third-party libraries and SDKs used in the mobile app up-to-date and secure?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
20	Is the mobile app resilient against reverse engineering (e.g., code obfuscation)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
21	Infrastructure Security	
22	Is there a network security policy in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
23	Are firewalls configured to protect the application servers?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
24	Are intrusion detection/prevention systems (IDS/IPS) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
25	Is there a VPN for secure access to the internal network?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
26	Are server operating systems and software regularly patched and updated?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
27	Are backups taken regularly and stored securely?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
28	Is there a disaster recovery plan in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
29	Are access controls implemented for infrastructure components?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



30	Are infrastructure components monitored for vulnerabilities?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
31	Authentication and Authorization	
32	Is multi-factor authentication (MFA) required for user access?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
33	Are role-based access controls (RBAC) implemented?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
34	Are users able to manage their sessions (e.g., view and terminate active sessions)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
35	Is there a mechanism to enforce strong password policies?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
36	Are account lockout policies in place to prevent brute force attacks?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
37	Data Security and Privacy	
38	Are data privacy policies compliant with relevant regulations (e.g., GDPR)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
39	Is data encryption enforced both at rest and in transit?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
40	Are user consent mechanisms implemented for data collection and processing?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
41	Is there a process for users to request data deletion?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
42	Are data anonymization techniques used where appropriate?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
43	Application Security Management	
44	Are security incident response procedures documented and tested?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



45	Is there a designated security officer or team responsible for application security?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
46	Are security awareness trainings conducted for developers and staff?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
47	Is there a bug bounty program or a mechanism for reporting vulnerabilities?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
48	Are third-party security assessments conducted periodically?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
49	Is a security information and event management (SIEM) system in place?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
50	Are regular audits conducted to ensure compliance with security policies?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
TOTAL		45 POINTS

SN	Question	Score
1	Payment Aggregator Security	
2	Is the payment aggregator PCI DSS compliant?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
3	Are payment details encrypted during transmission?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
4	Are payment details encrypted at rest?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
5	Is tokenization used to secure payment information?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
6	Is there a secure method for storing and managing customer payment data?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



7	Are secure authentication mechanisms in place for accessing the payment aggregator?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
8	Are regular security audits and assessments conducted on the payment aggregator?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
9	Is there a process for handling and reporting payment fraud?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
10	Are detailed logs maintained for all payment transactions?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
11	Payment Aggregator Functionality	
12	Does the payment aggregator support multiple payment methods (e.g., credit cards, mobile payments)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
13	Is the payment process seamless and user-friendly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
14	Are users notified of payment status in real-time?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
15	Are refunds and chargebacks handled efficiently?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
16	Is there a clear and transparent fee structure for payment processing?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
17	Are payment reports and analytics available to administrators?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
18	Can payment transactions be reconciled easily with financial records?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
19	Are payment gateways tested for downtime and reliability?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
20	Is the payment aggregator’s customer support responsive and effective?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
21	API Security	



22	Are APIs authenticated using secure methods (e.g., OAuth, API keys)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
23	Are APIs encrypted using TLS/SSL during transmission?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
24	Are rate limits implemented to prevent abuse?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
25	Are APIs protected against common vulnerabilities (e.g., injection attacks, cross-site scripting)?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
26	Is there an audit log of API access and usage?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
27	Are API keys and secrets managed securely?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
28	Is there a mechanism for revoking and regenerating API keys?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
29	Are APIs tested for security vulnerabilities regularly?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
30	Is user data accessed via APIs protected and compliant with privacy regulations?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
31	API Functionality	
32	Are APIs well-documented and easy to understand?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
33	Are APIs designed to be RESTful or follow other best practices?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
34	Is there a sandbox environment for testing API integrations?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
35	Are APIs capable of handling large volumes of requests efficiently?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No



36	Are error messages informative and helpful for troubleshooting?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
37	Is there support for versioning in APIs to manage updates and changes?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
38	Are APIs monitored for performance and uptime?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
39	Is there a support team or resource available for API integration issues?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
40	Are third-party integrations through APIs secure and reliable?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial <input type="checkbox"/> No
TOTAL		36 points

