Chowdeck Store Test Plan

Product Description : Chowdeck Store is an on-demand food and grocery delivery platform that connects customers with restaurants, supermarkets, pharmacies, and local markets. It provides a seamless ordering experience via a mobile app and website, enabling users to browse various categories, place orders, and have them delivered to their doorstep efficiently.

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Test Manager : Eniola Ajala

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INTRODUCTION	
Purpose of Test Plan : The purpose of this test plan is to define the testing approach, scope, objectives, and resources required to ensure the quality and reliability of the Chowdeck Store platform. This plan will guide the testing process to identify and fix defects, validate functionality, and ensure a smooth user experience across all supported platforms (web, iOS, and Android).	**Test Objectives:** 1.Ensure Functionality: Verify that all features, such as food ordering, payment processing, order tracking, and delivery, work as expected. 2.Validate Performance: Ensure the system can handle high traffic loads and process multiple orders efficiently. 3.Test Usability: Confirm that the user interface is intuitive and provides a seamless experience 4.Ensure Security & Compliance: Verify that customer data and payment information are secure. 5.Identify and Fix Bugs: Detect defects early to reduce risks before deployment. 6.Ensure Compatibility: Test across different devices, operating systems, and browsers to provide a consistent experience. 7.Verify Integration: Ensure smooth communication between the app, backend servers, and third-party services (e.g., payment gateways, restaurant APIs). Test References

SCOPES AND OUT OF SCOPES

Features to be tested (in scope) :

1.User Registration & Authentication
•Sign-up and login (email, phone number, OTP authentication)
•Password reset and account recovery
2.Food & Grocery Ordering Process
•Browsing restaurants, supermarkets, and pharmacies
•Adding items to the cart and modifying orders
•Checking out and applying discounts or promo codes
3.Payment Processing
•Secure transactions via cards, bank transfers, and mobile wallets
•Payment confirmation and error handling
4.Order Tracking & Notifications
•Real-time order status updates
•Push and email notifications for order confirmation, dispatch, and delivery
5.Delivery System
•Assigning and tracking delivery personnel
•Estimated time of arrival (ETA) accuracy
6.Customer Support & Feedback System
•Contacting customer support via chat or call
•Submitting ratings and reviews for orders

Features not to be tested :

1.Third-Party Services Beyond Integration Testing
•External payment gateway operations (only integration will be tested)
•Partner restaurant backend operations
2.Marketing & Promotional Features
•Ad placements, banners, and social media integrations
3.Hardware & Network Infrastructure
•Internet speed and ISP-related issues affecting order placement
4.Legal & Regulatory Compliance Audits
•Taxation, licensing, and government

TEST STRATEGY

Testing Types :

1. Functional Testing :
2. Performance Testing
3. Usability Testing
4. Security Testing
5. Integration Testing
6. Regression Testing

Testing Levels :

1. Unit Testing
2. Integration Testing
3. System Testing
4. User acceptance Testing (UAT)

Approaches :

1.Manual Testing Approach
• Manually execute test cases to validate critical functionalities such as user registration, order placement, and payment processing.
•Exploratory testing will be conducted to identify unexpected issues.

2.Automation Testing Approach
•Automation will be used for regression testing, performance testing, and repetitive tasks like login, checkout, and payment verification.
•Automated scripts will be developed using tools such as Selenium (for web) and Appium (for mobile).

Resource Allocation :

Eniola Ajala (test manager) : Oversees test plan, assigns tasks and ensures timely execution.

Diran Aderinto (manual tester) : Performs functional, usability and exploratory testing .

Victoria Nababa (security tester) : Ensures data protection and prevents vulnerabilities.

Pelumi Dada (performance tester) : conducts load and stress testing.

Onagoruwa Enitan (automation tester) : Develop and execute automated test scripts.

Exit criteria :

1.Test Case Execution Completion
•All planned test cases (functional, security, performance, usability, etc.) have been executed.
2.Defect Resolution
•All critical and high-priority defects have been fixed and retested.
•Medium and low-priority defects are documented and approved for post-release fixes if needed.
3.Successful Regression Testing
•No major regressions or new issues introduced after bug fixes and feature updates.
4.Performance & Security Standards Met
•The platform meets expected performance benchmarks under load.
•Security vulnerabilities have been addressed.
5.User Acceptance Testing (UAT) Approval
•Business stakeholders have validated the system and approved it for production release.

Suspension criteria :

1.Critical System Failures
•If a severe defect blocks the execution of multiple test cases (e.g., app crashes, payment failures).
2.Environment Unavailability
•If the test environment (servers, databases, APIs) is down or unstable, preventing testing.
3.Incomplete Requirements
•If major functional requirements are unclear or missing, requiring clarification from stakeholders.
4.Delayed Development Deliverables
•If the development team has not completed or delivered key features for testing.
5.Resource Constraints
•If key testing resources (testers, tools, devices) are unavailable due to external factors.
6.High Defect Rate
•If an excessive number of critical defects are found, requiring immediate fixes before further testing.

TEST ENVIRONMENT

Environment setup:

1. Gather requirement
2. Setup the test server
3. Configure the network
4. Prepare pc workstation
5. Integrate bug reporting tools
6. Install testing tools
7. Prepare test data
8. Conduct environmental validation

Security measures :

1. Data Protection & Privacy

2. Secure Payment Processing

3. API Security

4. Infrastructure & Network Security

5. Security Testing & Audits

TEST DELIVERABLES

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Pre testing :

1. Project Onboarding
2. Test plan document creation
3. Test case document creation
4. Test data set up
5. Test environment set up checklist

Post testing :

1. Test summary report

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During testing :

1. Test execution
2. Defect reports
3. Updated test cases
4. Daily test status report

During release :

1. Test summary report
2. Deployment request
3. Regression testing report
4. Performance and security test

Post release :

1. Post release defect report
2. Deployment verification
3. Customer feedback and bug report
4. Final test closure report

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SCHEDULES AND TIMELINE

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Testing Phases :

1. Requirement analysis and planning
2. Test case design and test preparation phase
3. Test execution
4. User acceptance testing phase
5. Post release and maintenance phase

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Timelines :

1. Requirement analysis and planning : 3 days
2. Test case design and data preparation : 2 days
3. Test environment setup : 2 days
4. Test execution : 5 days
5. UAT : 2 days
6. Pre release validation : 2 days
7. Post release monitoring : 3 days

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RISK MANAGEMENT

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Risk assessment :

- Test environment downtime
- Delay in defect resolution
- Changes in requirements

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Mitigation strategies :

- The test environment should be up and running
- Defect resolution should be fast
- .Requirement changes should be communicated properly

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SIGN OFF CRITERIA

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Completion criteria :

- All planned test cases have been executed
- Critical user flow have been tested and validated
- Automated and manual test have been completed as per the test strategy.

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VERSION CONTROL

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Document control :

Version 1.0 12/02/2025

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<tr><td colspan="2">STAKEHOLDER ENGAGEMENT</td></tr>
<tr><td>Roles and Responsibility :
Project manager: oversees the overall project, ensuring timelines and objectives are met.
QA team lead : manages the QA process and ensures testing effectiveness
QA test engineers : execute test cases and report defects
Developers : implements and fix software components based on requirements.</td><td>Communication plans :
Daily stand ups
Communication via team groups (slack , whatsapp)
Emails
Physical weekly meetings</td></tr>
<tr><td colspan="2">ADAPTING TO CHANGE</td></tr>
<tr><td>Change management :
Creation of release ticket
Creation of deployment request
Approval of the deployment request
Deployment of API’s
Deployment of UI
Post deployment checks
Pilot test
Go live</td><td></td></tr>
<tr><td colspan="2">REVIEW AND APPROVAL</td></tr>
<tr><td>Review process :
Test plan review
Test case review
Test execution review
Defect closure review
UAT sign off
Final approval (Go/No Go decision)</td><td>Approvals :
QA manager : Eniola Ajala</td></tr>
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