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| TEST PLAN  Project Name: MODESENS |
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***@Modesens***

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| *Introduction* |
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ModeSens is a smart shopping assistant that helps users find, compare, and track fashion, beauty, and lifestyle products from top global retailers. It simplifies online shopping by offering real-time price comparisons, stock updates, and personalized recommendations.

AUT : <https://modesens-clone-site.netlify.app/>

| *Objectives* |
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* ModeSens aims to make online shopping easier by offering price comparisons, stock updates, and personalized recommendations.
* To make sure Its goal is to save time, money, and effort for shoppers.

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| *Scope* |
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* This test plan involves several types of testing to ensure functionality, performance, and user experience.
* The total number of tests will depend on the scope and complexity.

| *Testable features* |
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* *Product Search*
* *Price Comparison*
* *Product Availability*
* *Filters and Sorting*
* *Wishlist Management*
* *Product Alerts*
* *Product Page Details*
* *Retailer Redirection*
* *Personalized Recommendations*
* *Featured Collections*
* *User Registration*
* *Login and Logout*
* *Password Reset*
* *Profile Updates*
* *Account Security*
* *Third-Party Retailer APIs*
* *Payment Gateway Redirection*
* *Currency Conversion*
* *Location-Based Features*
* *Multi-Retailer Support*
* *Page Load Speed*
* *Scalability*
* *API Response Time*
* *Error Handling*
* *Caching Mechanism*

| *Testing Approach* |
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* ***Requirement Analysis***
* ***Test Planning***
* ***Test Design***
* ***Types of Testing***
* *Functional Testing*
* *Integration Testing*
* *Performance Testing*
* *Security Testing*
* *Usability Testing*
* *Compatibility Testing*
* *Regression Testing*
* *Accessibility Testing*
* ***Test Execution***
* ***Defect Management***
* ***Test Reporting***
* ***Testing Environment***
* ***User Acceptance Testing (UAT)***
* ***Post-Launch Monitoring***

| *Roles and Responsibilities* |
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| ***Name*** | ***Role*** | ***Responsibilities*** |
| --- | --- | --- |
| ***Pooja*** | ***Test Manager*** | *- Oversee testing processes*  *- Develop test strategy and plans*  *- Manage test timelines and resources* |
| ***Ajay*** | ***Test Lead*** | *- Coordinate testing activities*  *- Create and review test cases*  *- Ensure test coverage and execution* |
| ***Swathi*** | ***Test Engineer*** | |  | | --- |  | *- Execute functional, regression, and performance tests.*  *- Log defects and verify fixes.*  *- Perform detailed test execution and reporting.* | | --- | |
| ***Sahil*** | ***Automation Engineer*** | *- Automate regression and performance tests.*  *- Ensure automated tests run smoothly in different environments.*   |  | | --- | |
| ***Satya*** | ***Security Tester*** | *- Test data protection, user authentication, and system access controls.* |

| ***Teju*** | ***Usability Tester*** | *- Test the user interface for intuitiveness.*  *- Provide feedback for UI/UX improvements* |
| --- | --- | --- |
| ***Junnu*** | ***Compatibility Tester*** | *- Test the platform across multiple browsers, devices, and operating systems.* |
| ***Venkey*** | ***QA Analyst*** | *- Ensure overall quality of the testing process.*  *- Report on test progress and issue resolution.* |
| ***Kusuma*** | ***UAT Tester*** | *- Ensure the system is ready for production release.* |

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| ***Test schedule*** |
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***Following is the test schedule planned for the project:***

| ***Task*** | ***Time Duration*** |
| --- | --- |
| *Test Plan creation* | *18 Dec 2024* |
| *Test Scenario creation* | *19 Dec 2024* |
| *Test case creation* | *19 Dec 2024* |
| *Test case Execution* | *20 Dec 2024* |
| *Summary Report Submission* | *20 Dec 2024* |

| ***Test Deleverables*** |
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***The following are to be delivered to the client:***

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| ***Deliverables*** | ***Description*** | ***Responsible Owner*** | ***TargetCompletionDate*** |
| --- | --- | --- | --- |
| ***Test Plan*** | *Outlines the testing approach, strategies, and scope for the Modesens* | *Masai* | *18 Dec 2024* |
| ***Test Cases*** | *Test Cases created for both functional testing aand compatibility testing* | *Masai* | *19 Dec 2024* |
| ***Defect Reports*** | *Detailed description of the defects identified in different versions of application****.*** | *Masai* | *20 Dec 2024* |

| *Entry and Exit Criteria* |
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***The below are the entry and exit criteria for every phase of Software TestingLifeCycle:***

* ***Entry Criteria:***
* *The platform is ready with updated retailer data, and the user initiates a product search.*
* ***Exit Criteria:***
* *Accurate product comparisons are displayed, and the user completes their desired action*
* *Test Planning:*

***Entry Criteria:***

*Requirements for ModeSens features are documented, tools and test environments are set up, and test cases are written.*

***Exit Criteria:***

*Test plan is reviewed, approved, and ensures coverage of all ModeSens functionalities, with no critical blockers.*

* ***Test Designing***

***Entry Criteria:***

*Requirements and acceptance criteria for ModeSens features are finalized, the test environment is ready, and test data is available.*

***Exit Criteria:***

*Test cases are designed, reviewed, and approved, ensuring coverage of all functionalities, and traceability to requirements is established.*

* ***Test Execution***

***Entry Criteria:***

*Test cases for ModeSens are ready, the test environment is set up, and all dependencies (e.g., data, tools) are in place.*

***Exit Criteria:***

*All test cases have been executed, defects are logged and prioritized, and results are documented with a pass/fail status for each test case.*

* ***Test Closure:***

***Entry Criteria:*** *All test cases for ModeSens have been executed, and defects are logged.*

***Exit Criteria:*** *Test execution is complete, all critical issues are addressed, and test reports are delivered to stakeholders.*

| ***Tools*** |
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*The following are the list of Tools we will be using in this Project:*

* *X mind map Tool*
* *Jira - Project management tool*
* *Burp suite*
* *Zephyr- Test Management*
* *Microsoft Teams - collaboration*

| *Risks and Mitigation plans* |
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***The following are the list of risks possible and the ways to mitigate them:***

| *Risk* | *Mitigation plans* |
| --- | --- |
| *Data inconsistency across retailers* | *Ensure data synchronization with retailers before testing, and validate the accuracy of product listing* |
| *Performance issues under load* | *Conduct performance testing to ensure ModeSens handles high traffic, especially during sales or promotions.* |

| ***Approvals*** |
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***Masai will send different types of documents for Client Approval like below:***

* *Test Plan*
* *Test Scenarios*
* *Reports Testing*

*will only continue to the next steps once these approvals are done*

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