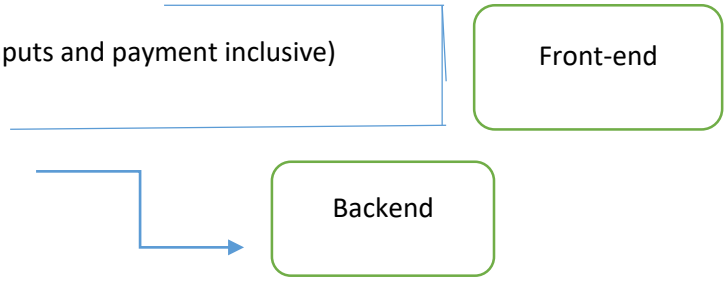
TEST PLAN IDENTIFIER: Test Plan of GoZayaan V_1.0

INTRODUCTION: Testing the zones of GoZayaan service

TEST ITEMS:

- Login panel
- Flight/Hotel/Tour booking (credential inputs and payment inclusive)
- Cancellation of booking
- History of booking/cancellation details
- Proper storage of credentials in DBMS
- Admin functionality checking



FEATURES TO BE TESTED:

- (As a customer) to be able to log in and out
- (customer) to navigate/browse successfully [partial search etc.]
- (customer) Select/ book a flight/hotel/tour
- (customer) able to input of credentials
- (customer) proceed to payment/ to be able to make payment
- (customer) adding coupons / availing discounts
- (customer) cancellation of a booking
- (customer) availing refund according to policy
- (customer) editing credentials according to policy [if allowed]
- (admin/authority) expiration of a booking when booking is incomplete , within a given time frame
- (admin) ability to update inventory / facility details in real time

FEATURES NOT TO BE TESTED:

- Certain testing environments / versions of OS (according to the project)
- Certain features (highly dependent on the particular project)

APPROACH:

- A combinational approach is applicable here
- Prioritizing mainly on UAT(User Acceptance Testing) testing firstly from an end-user perspective, Functional Testing : verifying functions as intended and meets the specified functional requirements, Integration Testing, Regression Testing along with other necessary testings

PASS FAIL CRITERIA:

- If functional testing is cleared successfully
- If Performance and Scalability is cleared successfully

SUSPENSION CRITERIA: [benchmark of halt- could be also when most of the test case failure is detected

]

- Any CRUD operation failure (in general) eg: login/sign up issues, selection failure etc.
- DBMS not retaining or taking exact providing
- Failure of the setup of appropriate test environments and platforms
- Failure to reach targeted standard (at given phases of testing throughout project)

TESTING TASK:

- Environments of testing
- Bug report format
- Test summary report format
- Test case report format
- Test progress report and format
- Other essentials of testing

TEST DELIVERABLES: [list of documents, tools, and other equipment that must be created, provided, and maintained to support testing**]**

- Test plan, test scripts, test data, test results, test release note

ENVIRONMENTAL NEEDS:

- **OS –** Windows 10, 11 ; macOS Big Sur or macOS Mojave ; Ubuntu 22.04, 22.10, Fedora, or CentOS
- **Browser-** Chrome, Mozilla , firefox, safari, opera
- **Androids (V_12.0)-**running various versions of the operating system, such as Samsung Galaxy, Google Pixel, or OnePlus devices.
- **iOS(V_16)-**iPhone and iPad, running different versions of the iOS operating system
- **database system –** MySQL (V_8.0), Oracle, PostgreSQL
- **network environments-** local/cloud based

RESPONSIBILITIES: divided among the teams –

- team lead – designing the strategy of testing
- senior testers- analyzing iterations and number of each test cycle
- junior QA/testers- executioners
- development team

STAFFING AND TRAINING: testing might vary due to unfamiliar testing environments therefore training sessions would be considered accordingly.

- Each breakdown module is assigned to 2 testers
- Whole project is assigned to 2 senior testers
- Training requirement period considered in case of unknown environment or lack of prev. documentation

SCHEDULE: During each test cycle, time should be allocated for test planning, test case execution, defect logging, retesting, and test reporting. Assuming a balanced approach, we can allocate around 80% of the

cycle duration for test execution and 20% for reporting and documentation.Typically additional activities involved, such as test environment setup, test case creation, and test infrastructure establishment. These activities contribute to an extended duration for the first cycle.

- Total of 4 test runs
- 1st run – 7 days or 56 hrs , 2nd run- 5 days or 40 hrs, 3rd run- 3days or 24 hrs & 4th run- 2 days or 16 hrs

RISKS AND CNTIGENCIES:

- [RISK] Insufficient or inaccurate test leading to incomplete or ineffective test coverage. [CONTINGENCY] proper/efficient communication between dev. teams and testing teams, optimize the testing process by appropriate prioritizing
- [RISK] Inaccurate time frames set for each phases (specially 1st phase leads to launching delays). [CONTINGENCY] Implement robust management processes and ensure prompt resolution

APPROVALS:

- Testing completion declared by the head of project/proj. manager