Test Plan for Tallink and Silja Line App

INTRODUCTION

The Tallink Silja app is designed to give peace of mind throughout your journeys.

All the information you need for your trip is right on your phone & for convenient on-board, you can easily check-in online. Skip the lines and say farewell to paper tickets!

TEST RISKS / ISSUES

Describe the risks associated with your test plan as well as mitigation strategies.

Test Plan Risk	Mitigation Strategy
Lack of documented Information about system under the test	Encourage communication in the team
Shortened budget for testing	Use open sources tools for testing
Tight deadlines	Prioritize the test cases based on risks

TESTING SCOPE

Test Item	Description	Date	Responsibility
Android Application's Book your Trip view	Manual testing of Book your trip view in Android mobile application	07/05/2021	QA Engineer, Ismayil Aliyev
Android Application's Sign In and Find Your Existing Trip	Manual testing of Sign In and Find Your Existing Trip in Android mobile application	07/05/2021	QA Engineer, Ismayil Aliyev
Automation of End to End flows and APIs Non-functional Testing	Automate End to End mobile tests with Appium and also APIs with Postman Conduct Loan and Stress testing	12/05/2021	QA Engineer, Ismayil Aliyev
Unit Testing	Unit testing will be done for each Component of the app	01/05/2021	Software Developer
UAT			Product Owner

Items outside of scope:

iOS based application,
Security testing

TEST APPROACHES

Describe the overall testing approach as well as an outline of any planned tests.

Test approach	Scope	Proposed date
API testing by using Postman for manual API tests	**APIs related to the mobile testing**	
E-2-E Testing using Exploratory approach	**Functional testing of the mobile app**	
Non-Functional testing by using JMeter	**Non- Functional testing of the mobile app**	

PASS/FAIL CRITERIA

Passed Case is a case which verifies that the Acceptance Criteria is met for particular features
Failed Case is a case which verified that the Acceptance Criteria is not met for a particular feature and it is not related to missing configurations, environmental issue of server, connectivity.

ENTRY /SUSPENSION/ EXIT CRITERIA

Entry Criteria for testing will be starting from sprint planning of sprint 0
It is planned that Unit testing will be done in the first place then API testing will be done in first place, followed by functional and non-functional testing of the application.

Suspension Criteria is set to 40% meaning if 40% of test cases would be failing then testing will be stopped until fixes will be done for all the failed cases.

Exit Criteria is set to Run Rate having 95% meaning 95% of test cases should be executed, whereas Pass Rate is 80% meaning 80% of test cases passed.

TEST DELIVERABLES

Deliverable	Responsibility
API scripts	QA
Test Cases	QA
JMeter Scripts	QA
Selenium with Appium based scripts	QA

ENVIRONMENT / STAFFING / TRAINING NEEDS

AWS, Jenkins and Docker will be needed for running regressions tests in pipelines to follow CI rules.

Selenium, python with Cucumber will be needed for BDD approach of testing.

Postman licenses will be needed with Newman extension for scheduling API tests for regression of API testing.

SIGN-OFF

This are includes sign off from all key stakeholders to ensure that everyone understands the scope of testing