

QA TEST PLAN

for LookingBus app E2E testing

Mobile Final Project. Team 6

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Introduction

This test plan is for end-to-end testing of LookingBus_v0.6.23.8 mobile application on Android and iOS smartphones.

The objective is to cover workflows in application to be sure that LookingBus app's users can achieve their goals starting from signing up to a successful bus trip.

Testing Scope

Scope in: positive end-to-end test cases

Scope out: negative testing, compatibility, interruption testing

Test summaries	Android mobile phones	iOS mobile phones
create an account - log out	✓	✓
login with email and password - take a ride - log out	✓	✓
login with google acc - take a ride - log out	✓	✓
login with facebook acc - take a ride - log out	✓	✓
login as a guest - take a ride - log out	✓	✓
forgot password - restore - login - log out	✓	✓
login - Change Special conditions - logout	✓	✓

login - add My Place - logout	✓	✓
login - write a FeedBack - logout	✓	✓
login - make a reservation - delete it - logout	✓	✓

Methods

Test cases will be executed manually on both emulators and real mobile devices.

Approach

- Build for installation has to be provided to QA team
- Test cases documented on Google sheets and on Jira
- All test cases gathered under Test Set in Jira
- All test cases should be ready before execution phase
- Test cases are divided between QA team to reduce time execution
- Status of every test case should be provided in Google sheets and in Jira by Assignee after execution
- Mobile device orientations is a portrait mode
- Meetings every week on Zoom or Whatsapp
- If any concern or a blocker while testing Assignee should discuss with QA team same day
- If bugs are found consider next bug triage & prioritization
 - P1 - blocks QA testing
 - P2 - have workaround or do not damage major workflow. Discuss with QA manager.

Resources

- Android .apk file for Rider and Driver version of LookingBus app.
- iOS .ipa file of LookingBus app.
- Laptops for every team member, that have enough memory to run Android Studio
- Minimum one laptop on MacOS, others are on Windows
- Installed Android Studio.
- Installed TestFlight and Xcode on Mac.
- Minimum one emulator is created and can run for every QA team member
- Every team member has a smartphone on Android or iOS with a potential to connect to laptop, to install app, and to execute test cases.
- Access to QA team Google sheet and to Jira.

Environment

Real smartphone devices and Emulators:

- Samsung Android 12, Android 11, Android 10
- Apple iOS 15.5, iOS 14.7, iOS 14.8

According to:

- [Mobile Vendor Market Share United States Of America](#)
- [Mobile Operating System Market Share United States Of America](#)
- [Mobile iOS Version Market Share United States Of America](#)
- [Mobile Android Version Market Share United States Of America](#)

Documentation

- QA team Google sheet
https://docs.google.com/spreadsheets/d/1kUbS_OITXcLR-3pKOfbSMRR6KqQm_OHOaG95JTJhrpk/edit#gid=1274873946
- Story in Jira <https://jira.portnov.com/browse/MTM052722-36>
- LookingBus handouts
https://docs.google.com/document/d/19IzM5AJ0a1i8XmHEfyJILV1eUzzSRsc3LnNq4_Nbspk/edit
- LookingBus introduction video from Product Owner
<https://drive.google.com/file/d/1BZdFgxcYFGBJCwLnxJTvX1p7Ko2VMCG6/view>
- Demonstration video of a bus ride <https://www.youtube.com/watch?v=LqPa4eYZUKI>
<https://www.youtube.com/watch?v=xY0muwSIG7U>

Assignment and Responsibility

QA Manager - Deepti

QA Engineer	Responsibility
Zyuzikov Andriy	Organize testing activities, documentation
Vlasova Ekaterina	Develop and perform test cases on Android
Zelenova Yulia	Develop and perform test cases on Android
Vorobyeva Marina	Develop and perform test cases on iOS
Kaplenko Tatiana	Develop and perform test cases on Android
Bennett Sam	Develop and perform test cases on iOS

Timeline

Activity	Start day	End day
Test cases development	Sep 4	Sep 10
Testing execution	Sep 10	Sep 15
Preparation for presentation	Sep 16	Sep 20
Presentation		Sep 21

Risks / Concerns

- Last minut updates of the app
- No certain product requirements document
- LookingBus_v0.6.23.8.apk is not stable
- QA team lacks of experience
- Only one team member has Mac
- Test cases may not cover all workflows
- No communication with Product Owner
- Data not getting inserted correctly into DB
- Emulators may not have needed models on the list (ex., Pixel instead of Samsung)

Exit criteria

All test cases are executed and documented on Jira.