**Trip navigator**

**Test Plan**

Revision history

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 24.01.2016 | 1.0 | Creation | Anastasiia Khmelovska |
|  |  | Update |  |
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**1. Introduction**

1.1. Purpose and background

This Test Plan is created for Trip Navigator application testing process description.

Trip Navigator is application is a service for people traveling on foot and by car.

1.2 Scope

Application testing purposes are: checking it’s correct functioning, user experience and user interface.

Testing is executed manually according to checklists for acceptance testing as well as for separate areas testing along with neighbor areas possibly affected by latest code changes.

**2. Requirements for Test**

Application must allow user to:

- register into the system;

- log in to the system/ log out from the system;

- create group for travelling;

- add people to group;

- create route;

- mark positions for descriptions;

- set groups with tracking positions;

- get notification;

- set settings;

- view list of trips;

- tracking mode (view users on route);

- mode with guide (view guide on route, view users on route);

- let’s meet (choose friend, accept meeting, displaying point of meeting, view users on route, read notification about closeness).

**3. Test strategy**

App requirements and mockups must be tested by project QA engineers – Anatasiia Khmelovska, Alice Ridenko, Aleksandr Gursky

Intermediate tests must be executed when certain functionality is ready for this

Full testing of changed funcionality/area must be done when its development is finished

Bug hunt must be done if main version change is made. Bug hunt should be executed for not less than 2 days (depending on additionally involved QA engineers workload on their main projects).

3.1 Testing types

3.1.1 Usability Testing

*Goal:*

* check usage convenience concerning common usage criterias

*Process description:*

* QA must go through all application usage phases on all available platforms paying attention to means of application controls.

*Completion criteria:*

* QA are sure that user will not have irritating, unusual and unexpected experience while using application.

3.1.2 Functional and UI Testing

*Goal:*

* make sure user can use main funcionality during App usage
* check if all user interface elements work as they should (according to user expectations)

*Process description:*

* application is partitioned to logically solid areas and every area is tested thouroughly:
* acceptance test (all main user scenarios overall checks)
* “Quick Tour” screens
* login and logout
* application Main screen
* to be done

*Completion criteria:*

* all listed above areas are tested fully
* all found bugs are listed in bug tracking system

3.1.3 Different platforms testing

*Goal:*

* make sure that application works correct on all supported platforms
* devices under iOS (iOS 9 and higher versions)
* devices under Android (4.1 and higher versions)
* Macs under OSX (10.11 and higher versions)
* PCs under Windows (XP, Windows 7x32, Windows 7x64, Windows 8x32, Windows 8x64, Windows 10x32, Windows 10x64)
* PCs under Linux
* Browsers: FireFox, Chrome, Edge, Safari, Opera

*Process description:*

* app is installed on all available supported devices and main functions (and stated by developers specific areas) are tested on them
* testing application installing/reinstalling/updating/uninstalling at least on all main versions of OS

*Completion criteria:*

* all listed above areas are tested fully
* all found bugs are listed in bug tracking system

**4. Project Milestones**

|  |  |  |  |
| --- | --- | --- | --- |
| **Milestone Task** | **Effort** | **Start Date** | **End Date** |
| Requirements Creation | To be filled | To be filled | To be filled |
| Mockups Creation | To be filled | To be filled | To be filled |
| iOS: New features implementation | To be filled | To be filled | To be filled |
| Android: New features implementation | To be filled | To be filled | To be filled |
| WEB: New features implementation | To be filled | To be filled | To be filled |
|  |  |  |  |

**5. Deliverables**

5.1 Test Plan (Responsible person – Khmelovska Anastasiia)

Stored here: *to be done*

5.2 Checklist (Responsible person – )

Stored here: *to be done*

5.3 Defects list

Stored here: *to be done*

5.4 Test schedule (Responsible person –)

Stored here: *to be done*

6. Additional documents:

6.1 Application specifications (Responsible person –)

Stored here: *to be done*

6.2 Application requirements (Responsible person –)

Stored here: *to be done*

6.3 Application mockups (Responsible person – )

Stored here: *to be done*

7. Risks – *To be done*