

<http://demo.guru99.com/insurance/v1/index.php>

General information

The Guru99 Insurance project aims to provide insurance agents with the ability to generate and store insurance quotes for cars.

For this version of the application, the requirements were first studied, in which the defects were found. The most basic ones are:

1. In the lists of modules, 4 positions were declared ("edit profile", "Request a quotation", "Retrieve quotation", "Profile"), and in the description of the fields there was no registration module, but the profile module was included (not declared in the list).
2. While studying the application itself, two more modules were found that were not declared in the requirements - a login form and a home page.
3. there are no requirements for entering data in the listed fields

Test objectives

Testing tasks - check the operation of the application according to the stated requirements, test the modules that are missing in the requirements.

The following activities were carried out:

1. check the graphical user interface;
2. check the main functionality of the application and his ability to work.

Assumptions

1. QA team is always informed about the changes in requirements;
2. Required tools for testing are installed and configured;
3. QA environment, bugtraking, test case management system are up.

Testing Scope

Features to be tested:

1. Functionality of individual fields and buttons for all modules;
2. Interaction of buttons and all fields with each other for all modules.

Features not to be tested:

1. Database operation.

Testing Strategy

Test levels:

- **unit testing** - verify individual fields for data entry;
- **system testing** - verify the interaction of all modules;

Test types:

- **functional testing** (check the work of the main functionality of the application):
 1. **positive testing** - checking for valid values;
 2. **negative testing** - checking for invalid values;
- **non-functional testing** (checking the non-functional characteristics of the application):
 1. **UI testing** - checking the interface for the presence of all elements specified in the requirements;
 2. **Localization testing** - checking the application for adaptation to different languages;

Depth testing:

- **smoke testing** - check that the major functionality works as required
- **critical path testing** - checking typical user scenarios

Testing Strategy:

- **black-box** - checking the application work without access to the code

Testing approaches:

- **end-to-end testing**
- **exploratory testing**

Resources

1. Hardware: No special recommendations

2. Software: - Google Chrome version 27 and above (ver 91.0.4472.101)

3. Tools: - Jira Software

- Google Docs

- Microsoft Office Excel 2007

4. Testing Team: two juniors QA Engineers :

- Alina Matsveyuk

Risk evaluation

1. insufficient time resource
2. small experience of the team

Risk	Probability	Impact	Mitigation steps
insufficient time resource	High	Medium	carry out only basic checks for all modules, do not include white box testing in the project
small experience of the team	High	Medium	control over the work of juniors by team lead

Test report

Hello, Alex

The QA team has completed UI tests and critical path testing for modules, the description of which was provided in specification 1.3 of 10/25/2020:

1. "Broker Registration"
2. "Request Quotation"
3. "Retrieve Quotation"
4. "Profile"
5. "Edit profile"

Also, tests were compiled and partially passed for modules not declared in the requirements:

6. "Log in"
7. "Home"

UI test passed successfully only for module "Retrieve Quotation", Critical path testing failed for all modules due to critical defects that need to be fixed as soon as possible, see Explanations below.

Test level: Smoke testing, critical path testing

QA team: Testing was performed by junior QA - Alina Matsveuk and Irina Lishchenko

Checkpoints: total amount - 234

not tested - 3

blocked - 95

passed - 76

failed - 60

Defects: total amount - 69

blocker - 3

critical - 14

major - 48

minor - 2

trivial - 2

Testing was started on the planned date (08.20), but was not completed due to the presence of critical defects that block 95 checkpoints.

Critical path testing was not completed in full due to the presence of critical bugs, so at the moment there is no way to release the application.

After the defects in the requirements are fixed and the development team fixes the errors, the main functionality will be re-tested according to the prepared checklist, and if all checkpoints are successfully passed, we can release a working version of the product.

Thanks,

Alina