# Patient Portal Test Report

<u>Digilugu webpage</u>

**Software Development Academy** 

Date: Jan 22, 2023

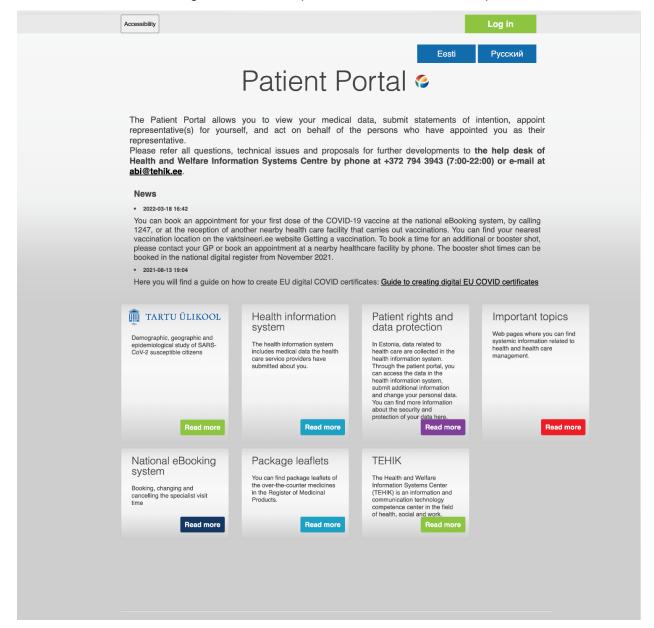
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### **Document Purpose**

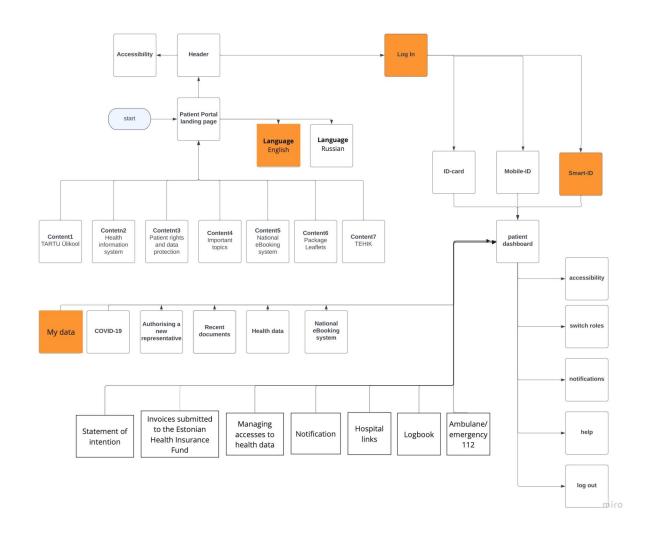
As a final project of SDA Software tester course my aim was to take a look into Estonia Patient Portal "Digilugu". My goal was to evaluate this website as a user and analyse user experience and find bugs that are in need of improvement. During that test report I will give an overview of tested test cases, found bugs and how to improve this website overall experience.



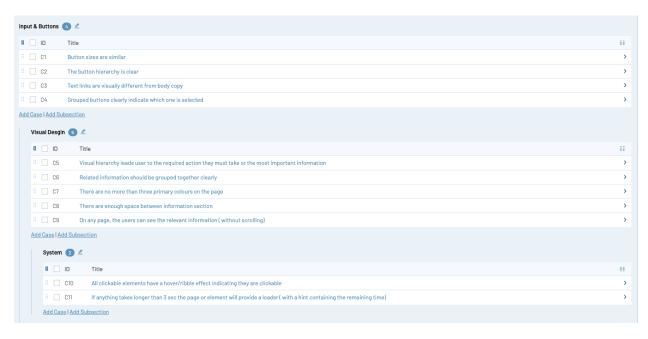
## **Testing Section**

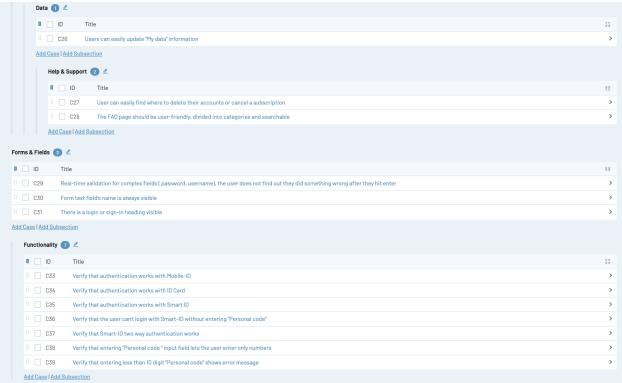
To give a more clear overview of Patient portal user flow was created. I used the platform "Miro" to draw out a visual representation of the many avenues that can be taken when using the website. The flowchart begins with the consumer's entry point on the product, like an Patient portal homepage, and ends with the final action. Tested sections are marked with orange colour. Sidenote: This flow of rectangle shapes, action that needs to be taken, like "Log in", can be improved by adding process shapes like a diamond, which means a decision is being made and is therefore followed by "Yes" and "No" arrows.

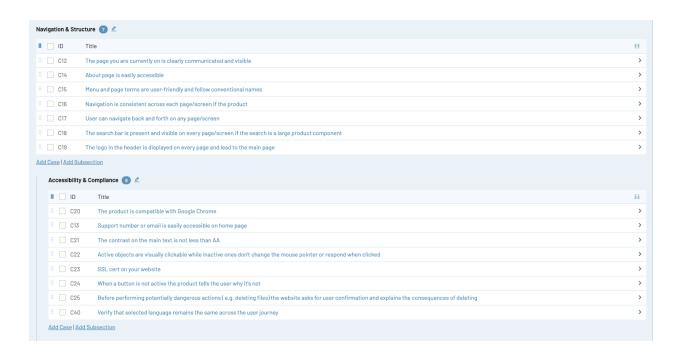
Tested section



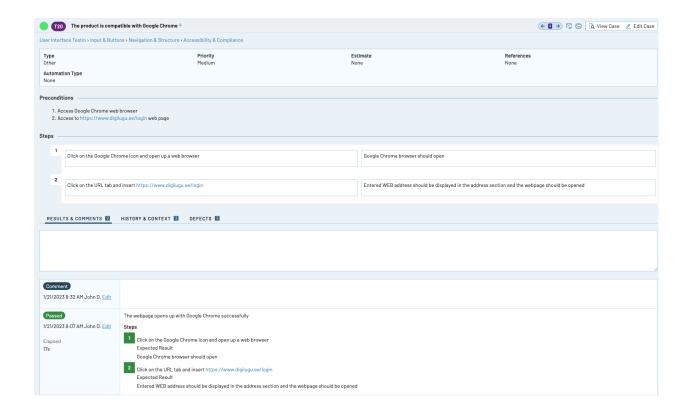
## Testing checklist

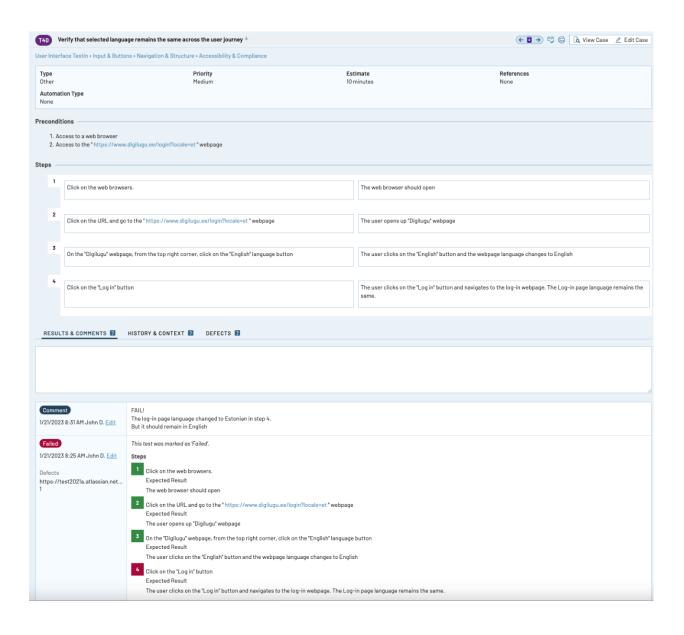


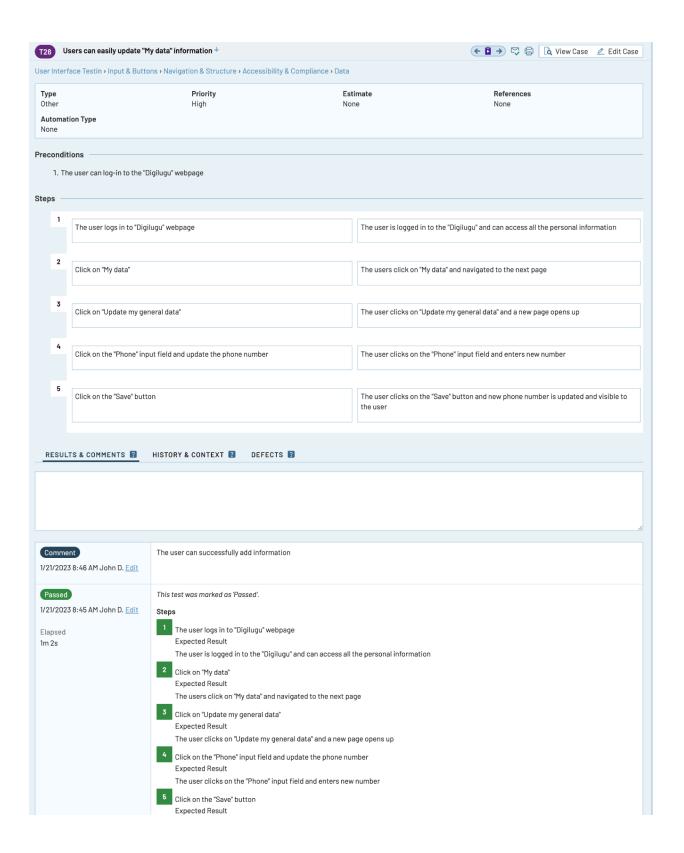


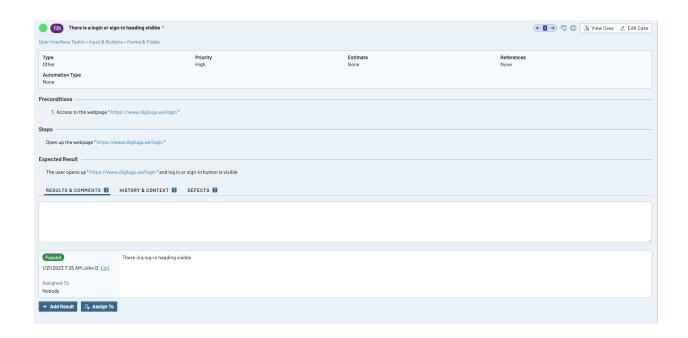


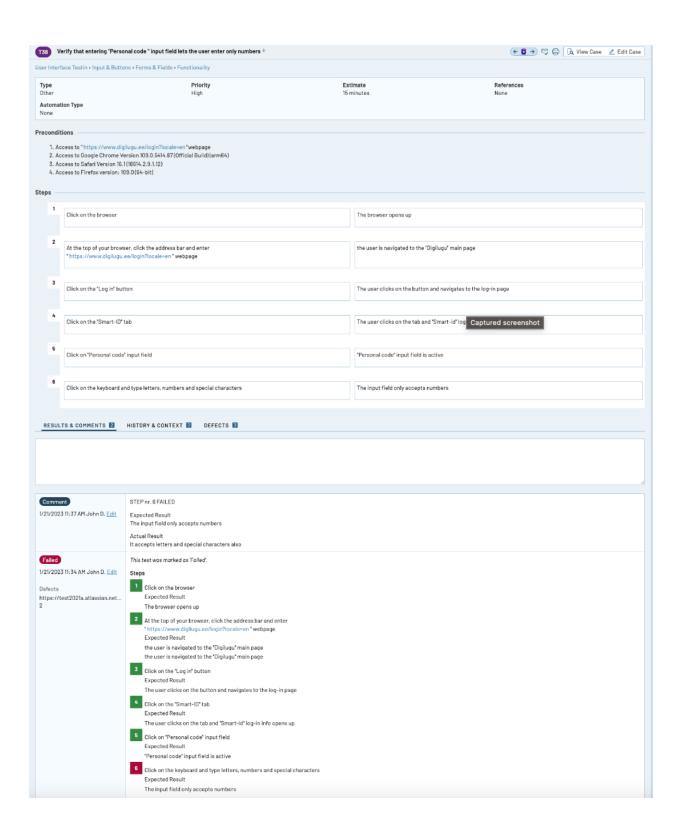
#### Detailed test cases

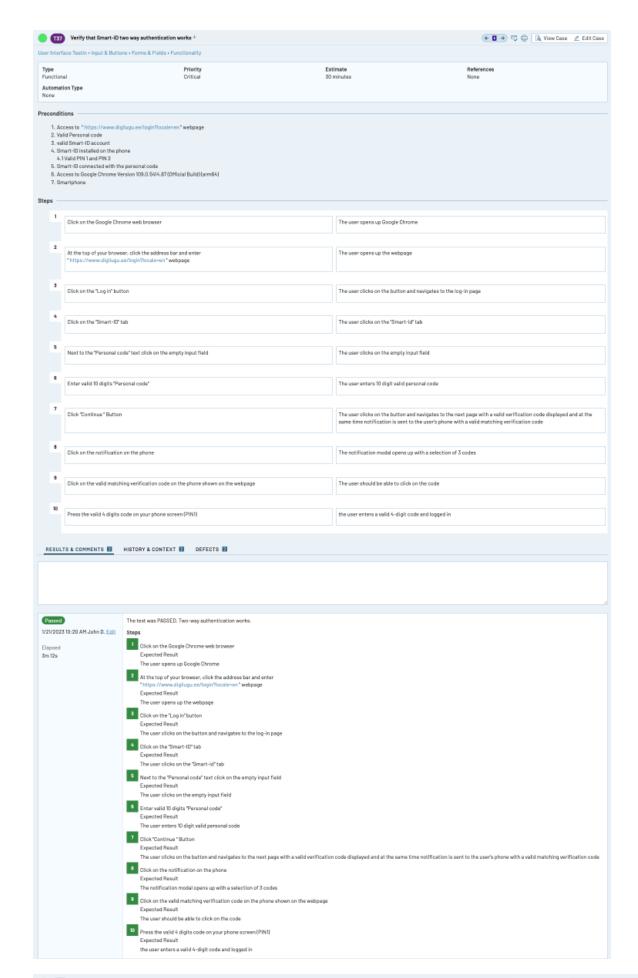


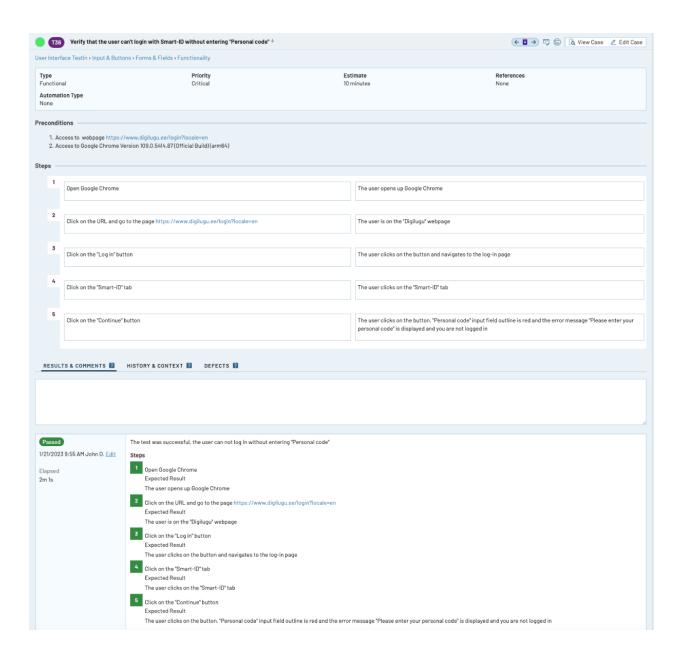


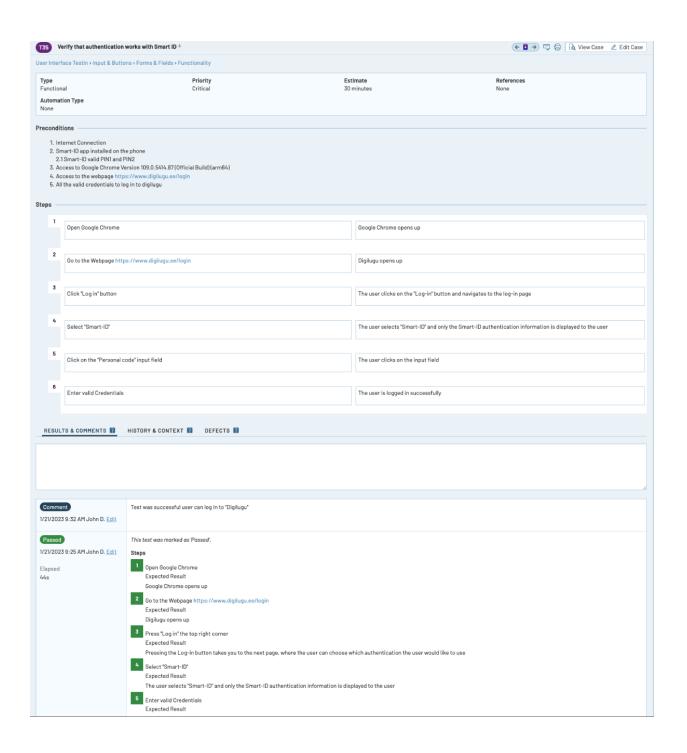






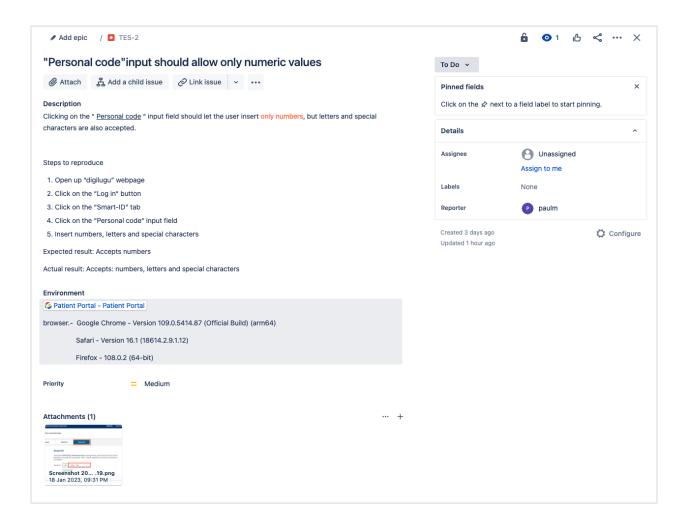


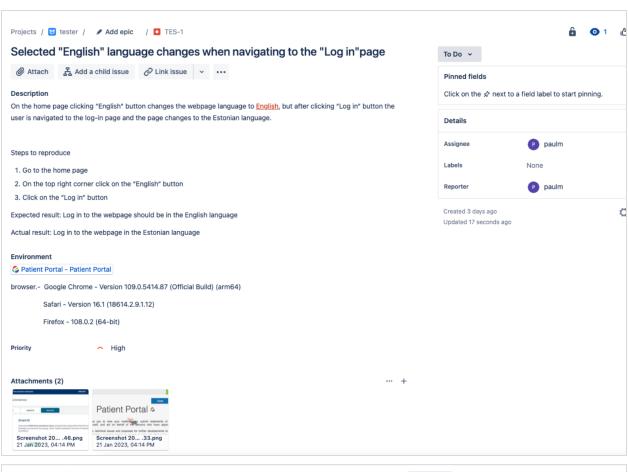


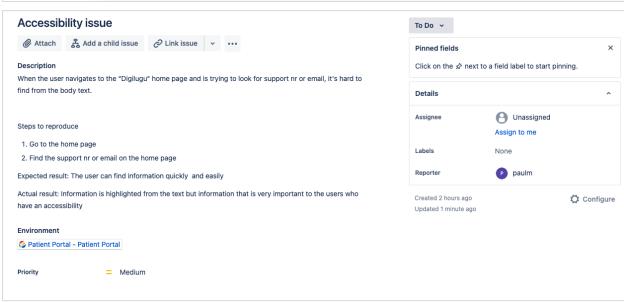


## Founded issues/bugs

Example tickets that was created about founded bug on the page:







### **Improvements**

During my exploratory testing session I noticed some user interface flaws, functionality and accessibility shortcomings. Tested portal main purpose is to get easy access to the patient portal and navigate through webpage to personalised dashboard. During the testing some of the steps were irritating and not clear to understand.

#### Accessibility & Compliance

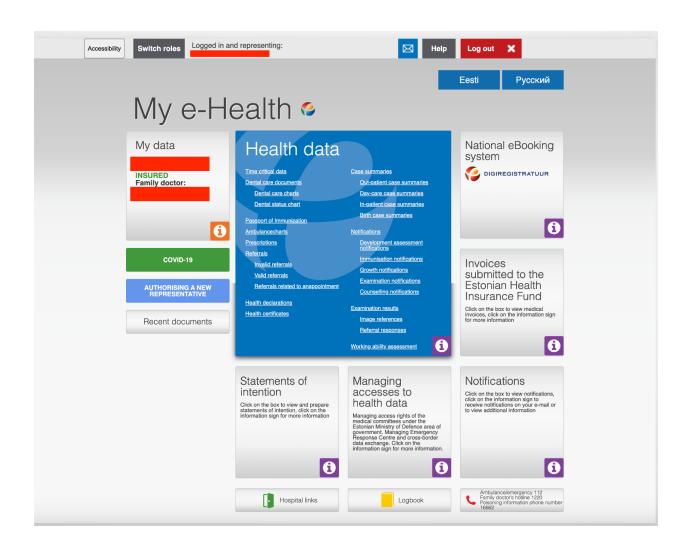
Accessibility point of view was not clear when changing the language from Estonian to English in a landing page it won't remain in the following pages. Instead I had to change the language in every page again and I believe it's bad user experience and extra time and effort to navigate through pages. I can't imagine how much extra effort it would be for customers with vision disabilities.

#### **Navigation and Structure**

Patient portal landing page can be improved by adding different sections and different information by using user experience best practices, e.g. contact info can be in the footer or more prominent way displayed.

Since there was not that much content on the landing page I would say that it was rather easy to consume the page but would definitely use some UI improvements, e.g. buttons could be harmonised etc.

On the other hand after logging in and landing on the dashboard it was not clear where to find what and navigation including UI can be improved tremendously. Since there is a lot of content it would need some user research of what are the most important features that user is looking for on the site and show these more prominently. Good thing that I noticed in the header was search bar that is definitely needed in a such content heavy pages.



# Test Design Techniques

List of UI testing techniques that was used during testing Patient portal:

- exploratory testing
- error guessing
- Case tests

### Reflection

Exploration of Estonian Patient Portal page gave me insight into testing tools and mapping out user (my) experience of landing page, log in Smart-id functionality, user dashboard and "my data" page. During this report different tools were used, such as Testrail - creating Test Cases; JIRA software - creating Bug Reports; Miro - Creating flow charts and snipping tools.

Most easiest was to consume information on the Log in authentication (TARA) methods, since it's common to most of the Estonian Public portals and are widely used. UI and UX of this site is outdated and do not follow best practises of design what made it really difficult to consume content and understand navigation of user dashboard. There were a lot of UI bugs like different button colours and not consistent design components. Under user dashboard I found buttons/content cards on the bottom of the page with hover effect but only two out of three where buttons that you could actually click on because third one was just informational. If we think about content accessibility e.g. contact information then it should be clearly visible and separated from body text to consume it also as a user with visible disabilities.