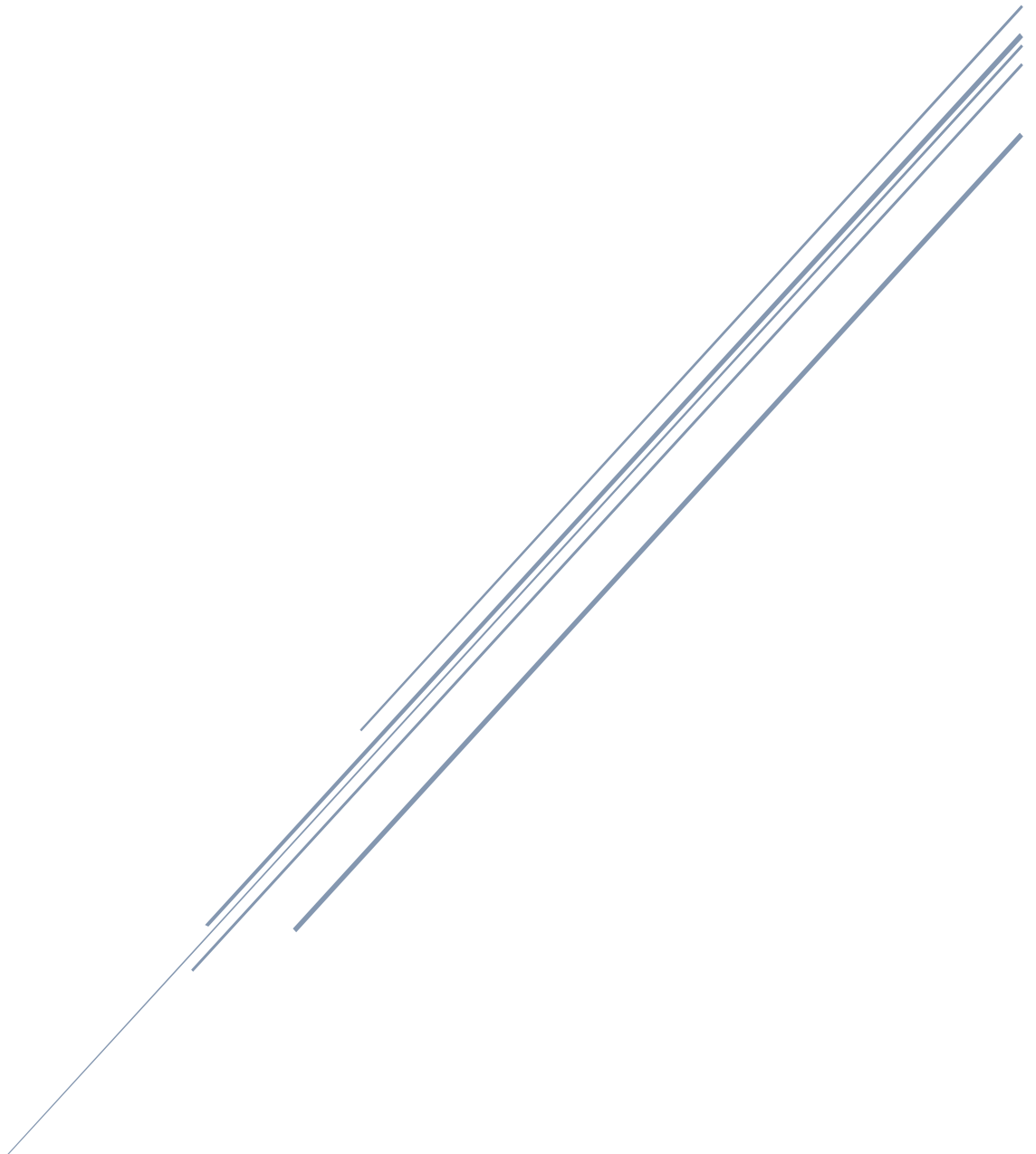


TEST PLAN

Project: Public transport lookup application



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Test strategy

The following types of testing will be applied:

- Unit tests – To ensure code quality and bug-free software
- User acceptance tests – To ensure usability and flow of use

Test plan

The test plan below will closely follow the user stories specified in the Project plan.

Test case type	ID	Description	Test step	Expected result	Status
Functional	F-01	Register (User story 7)	1. Go to the website 2. Click on the Register button on the top-right part of the page 3. Type a valid email into the email field 4. Type a password of length greater than or equal to 8 characters 5. Click on the register button 6. Redo if email is already taken	Redirect to the Login page	
Functional	F-02	Login (User story 7)	Requirements: F-01 Test steps 1. Navigate to the Log in page, if not already there 2. Fill in your credentials from F-01 3. Click the Log in button	Redirect to the Home page with changed navigation bar	
Functional	F-03	User story 1	Visit the website	An overview of the bus lines available	
Functional	F-04	User story 2	1. F-03 instructions 2. Click on any of the buttons with their bus line identifier	Redirect to another page with further information	
Functional	F-05	User story 3	1. Visit the website 2. Locate the search bar 3. Search for anything until a station appears on the dropdown menu 4. Click on it	Redirect to another page with further information	
Functional	F-06	User story 8	1. Visit the website 2. Locate the login button on the top left part of the page. 3. Login with the credentials:	Successful & satisfactory user experience creating, viewing, updating, and	

			Email: admin@gmail.com Password: password 4. Try to create, view, update & delete from any of the available pages	deleting bus lines, buses, stations, routes, users, and tickets	
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Links

Git repository - <https://git.fhict.nl/I478158/s3-indiv>

Project plan - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/Project%20plan.pdf>

Design document - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/Design%20document.pdf>

UML diagram - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/UML.pdf>

C4 diagram - <https://structurizr.com/share/77232/diagrams>

Pipeline diagram - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/Pipeline%20diagram.png>

Research paper on SQL vs NoSQL regarding the project - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/Applied%20research.pdf>

Test plan - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/Test%20plan.pdf>

UX Feedback & Report - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/UX%20Feedback%20&%20Report.pdf>

Research paper for justifying technology stack used - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/Research%20paper%20for%20justifying%20technology%20stack%20used.pdf>

OWASP Security report - <https://git.fhict.nl/I478158/s3-indiv/-/blob/main/doc/OWASP%20Security%20report.pdf>

API documentation with Swagger – Start the app and open the link <localhost:8080/swagger-ui/>