

# Test report

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## Test report

For S3 Individual track project

### Revisions

Verison	Description	Date	Author
1	Added base Test plan structure and main test cases	08.09.2022	Yordan Doykov
1.2	Imported test plan to Jira	23.09.2022	Yordan Doykov
1.3	Updated test plan with test strategies	24.10.2022	Yordan Doykov
1.4	Turned document into a test report	08.12.2022	Yordan Doykov

## Introduction

This document aims to further deepen the developers' understanding of their product through the help of testers with no prior knowledge of the application. This allows the creators as much as the client to understand the overall accessibility of the created application before deployment.

Test cases are of great importance in showing whether the application provides an approachable GUI as well as in the discovery of potential bugs before the release of the software.

## Testing strategy

The software application is going to be tested in various ways in order to ensure a quality product that holds up to the expectations of the market.

As for the details, everything is going to be tested - the backend application, the frontend application and also end-to-end testing will be done to ensure that everything functions as intended. User acceptance tests are also planned in order to determine whether the GUI of the applications is fluent and predictable.

The tests that will be used are as follows:

- API tests on the back-end controllers
- Unit tests on all of the business layer
- Integration tests on the repository layer using an in-memory Docker MySQL database
- Front-end tests on the react app
- End-to-end testing using cypress

## User acceptance tests per use cases

### UC-01: Log in the application

ID	Name	Pre-Condition	Test Data	Expected Result
<b>TC-01</b>	Log in with correct credentials	On the "Log in" screen	Username: jrdn Password: 123	User is redirected to the home page of the website
<b>TC-02</b>	Log in with incorrect credentials	On the "Log in" screen	Username: asdf Password: asdf ^values not present in the database (any random values should suffice)	"Wrong username or password" message is displayed. System takes no further action

## Actual result

Everything is as expected. In case credentials are correct, user is logged in and redirected. Otherwise, he is informed about wrong credentials.

**UC-02: Log out of the application**

ID	Name	Pre-Condition	Test Data	Expected Result
TC-03	Log Out	Logged in with any account	-none-	App switches to the "Log in" screen awaiting a new log in

**Actual result:**

Use case works perfectly. No bugs found

**UC-03: User creates account in the application**

ID	Name	Pre-Condition	Test Data	Expected Result
TC-04	Create account in the system	On the "Register account" screen.	New account info: Username: jdoe Password: 1234 Email: <a href="mailto:jdoe@gmail.com">jdoe@gmail.com</a> Address: Eindhoven central First name: John Last name: Doe	Account is created and system displays a success message. New account is available for use.
TC-05	Create account with missing or incorrect details	On the "Register account" screen.	Username: jrdn Password: 123 New account info: Username: as Password: 1 Email: Address: First name: j Last name: d Role:	Account is not created and system displays error messages about specific input accordingly.

**Actual result**

Everything is as expected. In case the input is according to specification, user is redirected to page where he can log in. Otherwise, he is informed about wrong input.

**UC-04: User adds auction to the system**

ID	Name	Pre-Condition	Test Data	Expected Result
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<b>TC-06</b>	Add auction to the system with correct information	On the "Create auction" screen.  Logged in with any account	Username: jrdn Password: 123 New auction info:  Brand: BMW Model: 330i Description: test Car year: 2018 description Starting price: 3000 Buyout price: 10000 Mileage: 90 000 Location: Eindhoven Starts on: 10.10.2022 Ends on: 15.10.2022	Auction is created and awaiting to go live. System displays a success message
<b>TC-07</b>	Create auction with missing or incorrect information	On the "Create auction" screen.  Logged in with any account	Username: jrdn Password: 123 New auction info:  {{Fields are left empty}}	Auction is not created and system displays error messages about specific input accordingly.

## Actual result

Everything works according to acceptance criteria.

### UC-05: User sees all auctions in the system

ID	Name	Pre-Condition	Test Data	Expected Result
<b>TC-08</b>	Access the list of live auctions in the system	On the Home screen.	Auction status: live	The system displays all live auctions.
<b>TC-09</b>	Access the list ended auctions	On the Home screen.	Auction status: ended	The system displays all ended auctions
	Access the list of auctions using filters	On the Home screen.	Filters:  Year: from 2000 to 2010  Mileage: from 100 000 to 200 000  Brand: Mercedes	The system displays all auctions that match the requested filters

## Actual result

Everything works as expected.

Small note: when no results were found, user was confused as there was no message indicating so. Will be taken into consideration.

### UC-06: User sees the details about an auction

ID	Name	Pre-Condition	Test Data	Expected Result
<b>TC-11</b>	See details of auction		-none-	System navigates user to page with auction details

## Actual result

No bugs found. System displays auction information, bids and comments.

#### UC-07: User edits the information of an auction

ID	Name	Pre-Condition	Test Data	Expected Result
TC-12	Edit auction with correct information	On the "Edit Auction" screen.  Logged in as the creator of the auction	Username: jrdn  Password: 123  New auction info:  Brand: Mazda  Model: Miata  Car Year: 1998  Description: test description  Starting price: 2000  Buyout price: 6000  Mileage: 90 000  Location: Eindhoven  Starts on: 10.10.2022  Ends on: 15.10.2022	The system edits the information of the auction and displays a success message.
TC-13	Edit auction with incorrect information	On the "Edit auction" screen.  Logged in as the creator of the auction	Username: jrdn  Password: 123  New auction info:  Brand: M  Model: Mi  Car Year: -2012  Description: test description  Starting price: -2  Buyout price: -000  Mileage: 90 000  Location: the moon  Starts on: 10.10.1500  Ends on: 15.10.9090	Auction is not edited and system displays error messages about specific input accordingly.

#### Actual result

Everything works according to acceptance criteria.

#### UC-08: User deletes auction from the system

ID	Name	Pre-Condition	Test Data	Expected Result
TC-14	Delete an auction successfully	On the "auction details" screen  Logged in as auction creator	Username: jrdn  Password: 123	Auction is deleted along with all the information about bids and comments. System displays a success message.
TC_15	Delete a started auction	On the "auction details" screen  Logged in as auction creator  Auction has begun	Username: jrdn  Password: 123	Auction is NOT deleted. System displays error message

## Actual result

No bugs were found. Acceptance criteria met.

### UC-09: User sees their profile page

ID	Name	Pre-Condition	Test Data	Expected Result
TC-16	User sees their profile	Logged in with any account	Username: jdoe Password: 123	Website navigates to "My Profile" page and displays information regarding the logged in user.

## Actual result

No bugs found.

### UC-10: User placed bid on an auction

ID	Name	Pre-Condition	Test Data	Expected Result
TC-17	Place bid successfully	On the "Auction details" screen  Logged in with any account  Auction has not ended	Username: jdoe  Password: 123  Bid amount: 2000	Bid is placed and user can see their new bid. System displays success message
TC-18	Bid amount lower than highest	On the "Auction details" screen  Logged in with any account  Auction has not ended  Current highest bid: 3000	Username: jdoe  Password: 123  Bid amount: 1500	Bid is not placed and system displays an error message.
TC-19	Bid amount less than minimum	On the Home screen.  Logged with any account.  Auction has not ended  Starting bid price: 2000	Username: jdoe  Password: 123  Bid amount: 1200	Bid is not placed and system displays an error message.

## Actual result

Everything works according to acceptance criteria. In case placing a bid was unsuccessful, user is informed.

### UC-11: User posts a comment on an auction

ID	Name	Pre-Condition	Test Data	Expected Result
TC-20	Successfully post a comment	On the "Auction details" screen  Logged in with any account  Auction has not ended	Username: jrdn  Password: 123  Comment message: very nice car!	Comment is posted and the user can see their comment. System displays success message
TC-21	Post an empty comment	On the "Auction details" screen  Logged in with any account  Auction has not ended	Username: jrdn  Password: 123  Comment message:	Comment is not posted and system displays an error message.

## Actual result

No bugs were found. Acceptance criteria met.

**UC-12: User deletes their comment**

ID	Name	Pre-Condition	Test Data	Expected Result
TC-22	Delete a comment	On the "auction details" screen  Logged in as comment creator	Username: jrdn  Password: 123	Comment is deleted and the user can no longer see it. System displays a success message.
TC-23	Delete comment that does not belong to the user	On the "auction details" screen  Logged in as another user (not comment creator)	Username: moses  Password: 123	Comment is NOT deleted. System displays error message

**Actual result**

No bugs were found. Acceptance criteria met.

**UC-13: Administrator edits the information of an auction**

ID	Name	Pre-Condition	Test Data	Expected Result
TC-24	Edit auction with correct information	On the "Edit Auction" screen.  Logged in as administrator  It does not matter if auction has ended or is live	Username: admin  Password: admin  New auction info:  Brand: Mazda  Model: Miata  Car Year: 1998  Description: test description  Starting price: 2000  Buyout price: 6000  Mileage: 90 000  Location: Eindhoven  Starts on: 10.10.2022  Ends on: 15.10.2022	The system edits the information of the auction and displays a success message.

**Actual result**

Everything works according to acceptance criteria.

**UC-14: Administrator deletes auction from the system**

ID	Name	Pre-Condition	Test Data	Expected Result
TC-25	Delete an auction successfully	On the "auction details" screen  Logged in as administrator  It does not matter if auction has ended or is live	Username: admin  Password: admin	Auction is deleted along with all the information about bids and comments. System displays a success message.

**Actual result**

Everything works as expected. Administrator can delete any auction in the system.

**UC-15: Administrator deletes a comment**

ID	Name	Pre-Condition	Test Data	Expected Result
<b>TC-26</b>	Delete a comment	On the "auction details" screen  Logged in administrator  It does not matter who the comment belongs to or if auction has ended	Username: admin  Password: admin	Comment is deleted and the user can no longer see it. System displays a success message.

### Actual result

Everything works as expected. Administrator can delete any comment in the system.