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| Test plan |
| For S3 Individual track project |

Test plan

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| Revisions | | | |
| Verison | Description | Date | Author |
| 1 | Added base Test plan structure and main test cases | 08.09.2022 | Yordan Doykov |
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**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 apps.

Test cases per use case

UC-01: Log in the application

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-01 | Log in with correct credentials | On the “Log in” screen | Username: jrdn  Password: 123 | User is redirected to the home page of the website |
| TC-02 | 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 |

UC-02: Log out of the application

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| 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 |

UC-03: User creates account in the application

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| 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: [jdoe@gmail.com](mailto:jdoe@gmail.com)  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. |

UC-04: User adds auction to the system

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-06 | 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 |
| TC-07 | 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. |

UC-05: User sees all auctions in the system

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-08 | Access the list of live auctions in the system | On the Home screen. | Auction status: live | The system displays all live auctions. |
| TC-09 | Access the list ended auctions | On the Home screen. | Auction status:  ended | The system displays all ended auctions |
| TC-10 | 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 |

UC-06: User sees the details about an auction

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

UC-07: User edits the information of an auction

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| 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. |

UC-08: User deletes auction from the system

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| --- | --- | --- | --- | --- |
| 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 |

UC-09: User sees their profile page

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| 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. |

UC-10: User placed bid on an auction

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| 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. |

UC-11: User posts a comment on an auction

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| 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. |

UC-12: User deletes their comment

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| --- | --- | --- | --- | --- |
| 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 a comment when auction has ended | On the “auction details” screen  Logged in as comment creator  Auction has ended | Username: jrdn  Password: 123 | Comment is NOT deleted. System displays error message |

UC-13: Administrator edits the information of an auction

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| 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. |

UC-14: Administrator deletes auction from the system

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| --- | --- | --- | --- | --- |
| 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. |

UC-15: Administrator deletes a comment

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| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-26 | 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. |