

Test Cases for the Horizon Cinema Software

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| Test # | Test Description | Test input | Expected output | Actual output (pass/fail) |
|--------|--|---|---|---------------------------|
| 1 | User can enter details in the login form and login to their account | User data that has been added to the database | Login is successful. Pop up with details of login and redirected to appropriate home page. Terminal displays 'Account Found' | As expected, [Pass] |
| 2 | User attempting login with incorrect details | Email from database that is correct with an incorrect password | Login fails. GUI shows message 'could not find account'. Account not found displayed in terminal. | As expected, [Pass] |
| 3 | For login, email and password must be the correct syntax | Incorrect syntaxes for existing accounts | Login fails. Terminal and GUI show syntax error. | As expected, [Pass] |
| 4 | Logging out of the application | Logging into the GUI with an existing account then using the logout button / logout function. | User is returned to the login screen and cannot log back in without entering correct login details again. Returned to default. | As expected, [Pass] |
| 5 | Viewing films for a selected cinema | Using existing films and cinema names. | Film screenings are retrieved – gui and terminal shows displaying screening. Displays the different screening with the time, date, and screen number for the selected film. | As expected, [Pass] |
| 6 | Staff can get details of a film (price, availability etc.) for a booking and create said booking | Details of a film (what showing, num of tickets etc.) and customer details to book | Availability and price is shown. If the booking is created, pop up informs and the booking is added to db. Terminal | As expected, [Pass] |

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| | | | shows booking added. | |
| 7 | Staff can cancel a booking and only if the film hasn't been missed. | Current booking held in the db before and after the time of showing. | Booking is cancelled or refused depending on time of cancellation. GUI informs and terminal displays. | As expected, [Pass] |
| 8 | Customer details when creating a booking | A new booking is created with new customer details | Customer is only able to enter details in-line with appropriate syntax e.g. card number 16 numbers only. | Not expected, any details can be entered [Fail] |
| 9 | When a booking is cancelled, the availability is updated | Make availability full, cancel a booking, make a new booking for the same film. | User is told availability is full before cancellation. After cancellation, user can now book. | As expected, [Pass] |
| 10 | View the details of booking staff | Searching staff emails | Records are retrieved and the details of the staff member is displayed | As expected, [Pass] |
| 11 | Add a new booking staff with syntax tested for each field | Correct and incorrect data for email and password and the name of an existing cinema | For correct data, GUI displays successful creation and the details that have been added. Terminal displays booking staff added. For incorrect syntaxes, user is told what field is incorrect and account is not added. | As expected, [Pass] |
| 12 | Attempt to add booking staff when account exists | Existing data of a booking staff account | GUI displays message cannot add as account found. Terminal displays account found. Account is not added to db. | As expected, [Pass] |

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| 13 | Edit details of an existing booking staff | Email for current staff | GUI shows the edit has been successful with the new details displayed. Details are edited in db and terminal displays Booking staff updated | As expected, [Pass] |
| 14 | Remove booking staff | Details of the existing booking staff member. Manually all details need to be entered but only the email is needed in automation. | GUI displays booking staff deleted and what details are deleted. Data is removed from db. Terminal responds with booking staff deleted. | As expected, [Pass] |
| 15 | View current Admins | Using an existing admin email to search the db | Retrieve the desired admin records and display the data. | Not expected, function confused with finding booking staff [Fail] |
| 16 | Add a new Admin with syntax tests | New email and password to create a new account. Correct and incorrect syntaxes for each field. | With correct syntax and new details, account is created. Message displays on GUI of this and the details. Terminal displays admin added and under what email. Incorrect syntaxes for fields display message and does not add details. | As expected, [Pass] |
| 17 | Add admin with the same details as an existing admin | An email and password of an existing account | GUI displays message of existing account. Terminal displays account already exists. Account is not added to db. | As expected, [Pass] |
| 18 | Edit Admin details with new data | Email used and new data for password | GUI displays admin updated with new | As expected, [Pass] |

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| | | | account info. Terminal displays admin updated. Admin is updated in db | |
| 19 | Remove Admin | Existing data of an admin | GUI displays admin deleted and what details were deleted. Terminal displays admin deleted and what email this was under. Details are removed from db. | As expected, [Pass] |
| 20 | Add City with city and price syntaxes tested | Adding a new City with correct and incorrect syntaxes | GUI displays city added successfully with details of city and prices. City added to db and can be selected in GUI | As expected, [Pass] |
| 21 | Add a Cinema to an existing City | Selecting an existing city name and creating a new cinema in that city | GUI displays Cinema added successfully with details of name and city of new cinema. Cinema is added to db. | As expected, [Pass] |
| 22 | Unique cinema and city validation | Attempting to add a cinema and a city that already exists in the db | GUI displays data already exists. Data is not added to db. | As expected, [Pass] |
| 23 | View existing films | Using an existing film title to search through the db | GUI display film found with details of said film. Terminal also displays film found. | As expected, [Pass] |
| 24 | Add a new film | Use new data to add a new film | GUI displays film added with the name of film. Terminal displays details of film. Film is added to db | As expected, [Pass] |
| 25 | Edit existing film | Use film ID of an existing film to | GUI displays film updated. | As expected, [Pass] |

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| | | edit details of the film | Terminal displays new details of film. Data is updated in db | |
| 26 | Remove film | Use existing film ID to remove a film | GUI displays film is removed as well as all linked screenings. Terminal displays what film was removed. Film and screenings are removed from db. | As expected, [Pass] |
| 27 | View screenings in selected cinema | Use existing screening ID to search for details of screening. | GUI displays screening found with details of screening. | As expected, [Pass] |
| 28 | Add new screening, testing all syntaxes e.g., Date. | Add correct details for all fields for a new screening. Add data that has incorrect syntaxes also. | GUI displays screening is added with details. Screening is added to db. When incorrect syntax is entered, GUI shows describes what is incorrect. Data is not added to db. | As expected, [Pass] |
| 29 | Add a screening on top of an existing screening with the same screen number and time | Use data of an existing screening and attempt to add this. | GUI displays a screening already exists. Screening is not added to db. | As expected, [Pass] |
| 30 | Edit details of an existing screening | Use screening ID and change details of screening | GUI displays screening has been updated. Terminal confirms this. Updated in db. | As expected, [Pass] |
| 31 | Remove a screening | Use screening ID/details of an existing screening | GUI displays screening has been removed. Removed in db. | As expected, [Pass] |
| 32 | Generate reports | Satisfy current fields with existing db data | GUI confirms report is produced. Details show in blank box on page. Terminal | As expected, [Pass] |

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| | | | produces details of report. | |
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Could do:

- Validation needed for customer details (Done)
- Admin search needs to be changed as currently confused with searching booking staff (Done)
- Hide password on view admin – admin password form (Done)
- On view screenings, search film details by title should be search screen by id (Done)