**Test cases**

Based on ISO-29119-3.

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| **ID** | TC1 | |
| **Title** | Common user reserves a slot successfully | |
| **Priority** | High | |
| **User Story** | JIRA-1001 Make reservations | |
| **Preconditions** | - Common user’s credentials - A Day with capacity for new reservations | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search in the Calendar the day with capacity for new reservations and click on it | The Slot view belonging to the day selected should be opened |
| 3 | Click on the “Click to reserve” link on the slot selected for the new reservation | The reservation should be created for the user logged in.  A toast message should be displayed “Reservation created successfully!” |
| **Postconditions** | * The reservation created is in the database * The Slot cell should have the list of reservation updated listing the email of the user representing the new reservation created * The counting of reservations on the Calendar view should be updated increasing in +1 * The e-mail of the user should be displayed on the Slot Cell on the Calendar view | |

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| **ID** | TC2 | |
| **Title** | Common user cannot create a new reservation if the slot is full (2 reservations already created on the slot) | |
| **Priority** | High | |
| **User Story** | JIRA-1001 Make reservations | |
| **Preconditions** | - Common user’s credentials - A Day with 2 reservations already created on the morning slot | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search on the Calendar the day with the 2 reservations already created on the morning slot and click on it | The Slot view should be opened |
| 3 | Search for the slot morning and Notice there is a message “Slot is full” and when mouseover the slot the “forbidden” icon is set as a a mouse pointer | The reservation should be created for the user logged in.  A toast message should be displayed “Reservation created successfully!” |
| 4 | Click on the morning slot | No reservation is created and the error toast message “This slot is full (maximum 2 reservations)” |
| **Postconditions** | * Reservation is NOT created | |

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| **ID** | TC3 | |
| **Title** | Common user cannot create a second reservation on the same slot for the same day | |
| **Priority** | High | |
| **User Story** | JIRA-1001 Make reservations | |
| **Preconditions** | - Common user’s credentials - A Day with 1 reservation already created on the morning slot | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search on the Calendar the day with the reservation already created on the morning slot and click on it | The Slot view should be opened and list the first reservation created by the user |
| 3 | Click on the morning slot where the user has already a reservation | The first reservation should be cancelled, and a toast message should be displayed “Reservation cancelled successfully” |
| **Postconditions** | * Second reservation is NOT created * The counting of reservations on the Calendar view should be updated increasing in +3 * The e-mail of the user should be displayed on the Slot Cell on the Calendar view with the (3) indicating that exists 3 reservations by that user | |

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| **ID** | TC4 | |
| **Title** | Common user can create reservations in all the slots on same day when slots have capacity | |
| **Priority** | High | |
| **User Story** | JIRA-1001 Make reservations | |
| **Preconditions** | - Common user’s credentials - A Day with no reservations | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search on the Calendar the day with no reservations and click on it | The Slot view should be opened and list zero reservations in the slots |
| 3 | Click on the morning, afternoon and evening slots | The three reservations should be created success toast message should be displayed for each reservation. |
| **Postconditions** | * Three reservations are created in database * The first reservation is cancelled, and the Slot Cell view shows no reservation scheduled | |

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| **ID** | TC5 | |
| **Title** | Admin user reserves a slot successfully | |
| **Priority** | High | |
| **User Story** | JIRA-1001 Make reservations | |
| **Preconditions** | - Admin user’s credentials - A Day with capacity for new reservations | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search in the Calendar the day with capacity for new reservations and click on it | The Slot view belonging to the day selected should be opened |
| 3 | Click on the “Click to reserve” link on the slot selected for the new reservation | The reservation should be created for the user logged in.  A toast message should be displayed “Reservation created successfully!” |
| **Postconditions** | * The reservation should be in database * The Slot cell should have the list of reservation updated listing the email of the user representing the new reservation created * The counting of reservations on the Calendar view should be updated increasing in +1 * The e-mail of the user should be displayed on the Slot Cell on the Calendar view | |

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| **ID** | TC6 | |
| **Title** | Admin user cannot create a new reservation if the slot is full (2 reservations already created on the slot) | |
| **Priority** | High | |
| **User Story** | JIRA-1001 Make reservations | |
| **Preconditions** | - Admin user’s credentials - A Day with 2 reservations already created on the morning slot | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search on the Calendar the day with the 2 reservations already created on the morning slot and click on it | The Slot view should be opened |
| 3 | Search for the slot morning and Notice there is a message “Slot is full” and when mouseover the slot the “forbidden” icon is set as a a mouse pointer | The reservation should be created for the user logged in.  A toast message should be displayed “Reservation created successfully!” |
| 4 | Click on the morning slot | No reservation is created and the error toast message “This slot is full (maximum 2 reservations)” |
| **Postconditions** | * Reservation is NOT created | |

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| **ID** | TC7 | |
| **Title** | Common user cancels its own reservation | |
| **Priority** | High | |
| **User Story** | JIRA-1002 - Cancel reservations | |
| **Preconditions** | - Common user’s credentials - A Day with 1 reservation already created by the common user in the morning slot | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search on the Calendar the day with the reservation already created on the morning slot and click on it | The Slot view should be opened displaying the reservation on the morning slot |
| 3 | Click on the morning slot | The reservation should be cancelled for the user logged in.  A success toast message should be displayed “Reservation cancelled successfully!” |
| **Postconditions** | * Reservation should be deleted from database * The counting of reservations per day should be updating decreasing in-1 | |

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| **ID** | TC8 | |
| **Title** | Admin user cancels its own reservation | |
| **Priority** | High | |
| **User Story** | JIRA-1002 - Cancel reservations | |
| **Preconditions** | - Admin user’s credentials - A Day with 1 reservation already created by the admin user in the morning slot | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search on the Calendar the day with the reservation already created on the morning slot and click on it | The Slot view should be opened displaying the reservation on the morning slot |
| 3 | Click on the morning slot | The reservation should be cancelled for the user logged in.  A success toast message should be displayed “Reservation cancelled successfully!” |
| **Postconditions** | * Reservation should be deleted from database * The counting of reservations per day should be updating decreasing in-1 | |

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| **ID** | TC9 | |
| **Title** | Admin user cancels another user’s reservation | |
| **Priority** | High | |
| **User Story** | JIRA-1002 - Cancel reservations | |
| **Preconditions** | - Admin user’s credentials - A Day with 1 reservation already created by another user | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Search on the Calendar the day with the reservation already created by another user | The Slot view should be opened displaying the reservation |
| 3 | Click on the “cancel reservation” for another user’s reservation | The reservation should be cancelled for another user A success toast message should be displayed “Reservation cancelled successfully!” |
| **Postconditions** | * Reservation should be deleted from database * The counting of reservations per day should be updating decreasing in-1 | |

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| **ID** | TC10 | |
| **Title** | Common user gets the list of its reservations | |
| **Priority** | Medium | |
| **User Story** | JIRA-1003 – List my reservations | |
| **Preconditions** | - Common user’s credentials - At least 1 reservation already created | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “My Reservations “button located at the header | The /reservations page should be opened |
| 3 | Review the “My Reservations” section and notice the reservations made by the user are listed | The reservations are listed for the user logged in |
| **Postconditions** | * Reservation list should be displayed | |

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| **ID** | TC11 | |
| **Title** | Admin user gets the list of its reservations | |
| **Priority** | Medium | |
| **User Story** | JIRA-1003 – List my reservations | |
| **Preconditions** | - Admin user’s credentials - At least 1 reservation already created | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “My Reservations “button located at the header | The /reservations page should be opened |
| 3 | Review the “My Reservations” section and notice the reservations made by the admin user are listed | The reservations are listed for the admin |
| **Postconditions** | * Reservation list should be displayed | |

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| **ID** | TC12 | |
| **Title** | Common user without reservations gets a message of no reservations | |
| **Priority** | Low | |
| **User Story** | JIRA-1003 – List my reservations | |
| **Preconditions** | - Common user’s credentials - No reservations for the user | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “My Reservations “button located at the header | The /reservations page should be opened |
| 3 | Review the “My Reservations” section and notice the message “No reservations found for this date” is displayed | The message of no reservations is visible |
| **Postconditions** | * N/A | |

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| **ID** | TC13 | |
| **Title** | Admin user can create new user with role “user” | |
| **Priority** | High | |
| **User Story** | JIRA-1004 – Manage users | |
| **Preconditions** | - Admin user’s credentials | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “Admin Panel “button located at the header | The /admin page should be opened |
| 3 | Notice the “User Management” section is displayed and contains the “Users Directory” table | N/A |
| 4 | Click on “New user” button | The “Create new user” modal should be opened |
| 5 | Fulfill the form with valid data email: [test@test.com](mailto:test@test.com) password: 123456 Display name: test user Select the role: “user” | N/A |
| 6 | Click on “Create user” button | Success toast message is displayed “New user created!” The user should be listed on the “User management” table with role “user” |
| **Postconditions** | * Database for users should have a new record belonging to the user recently created | |

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| **ID** | TC14 | |
| **Title** | Admin user can create new user with role “admin” | |
| **Priority** | High | |
| **User Story** | JIRA-1004 – Manage users | |
| **Preconditions** | - Admin user’s credentials | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “Admin Panel “button located at the header | The /admin page should be opened |
| 3 | Notice the “User Management” section is displayed and contains the “Users Directory” table | N/A |
| 4 | Click on “New user” button | The “Create new user” modal should be opened |
| 5 | Fulfill the form with valid data email: admintest@test.com  password: 123456 Display name: admin test user Select the role: “admin” | N/A |
| 6 | Click on “Create user” button | Success toast message is displayed “New user created!” The user should be listed on the “User management” table with role “admin” |
| **Postconditions** | * Database for users should have a new record belonging to the user recently created | |

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| **ID** | TC15 | |
| **Title** | Admin user can edit the role of another user | |
| **Priority** | High | |
| **User Story** | JIRA-1004 – Manage users | |
| **Preconditions** | - Admin user’s credentials  - A user to be edited | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “Admin Panel “button located at the header | The /admin page should be opened |
| 3 | Notice the “User Management” section is displayed and contains the “Users Directory” table | N/A |
| 4 | Find in the users table the email of the user to be edited and take note of the row | The row of the user to be edited should be listed |
| 5 | Click on the dropdown on role column and change it. From user to admin or vice versa | The new role selected should be updated on the “Role” column. Success toast message is displayed indicating user was updated |
| **Postconditions** | * The role of the user should be updated in the database * The users table should show the new role updated | |

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| **ID** | TC16 | |
| **Title** | Admin user can edit the data of another user | |
| **Priority** | High | |
| **User Story** | JIRA-1004 – Manage users | |
| **Preconditions** | - Admin user’s credentials  - A user to be edited | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “Admin Panel “button located at the header | The /admin page should be opened |
| 3 | Notice the “User Management” section is displayed and contains the “Users Directory” table | N/A |
| 4 | Find in the users table the email of the user to be edited and click on “Edit” button | The Edit user modal should be opened |
| 5 | Update the user’s data: email: [new-email@test.com](mailto:new-email@test.com) display name: Updated user Role: from user to admin or vice versa | N/A |
| 6 | Click on “Update user” button | A Success toast message should be displayed, and the user’s table should show the new data for the user edited |
| **Postconditions** | * The data in the database should be updated properly | |

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| **ID** | TC17 | |
| **Title** | Admin user deletes another user | |
| **Priority** | High | |
| **User Story** | JIRA-1004 – Management of users | |
| **Preconditions** | - Admin user’s credentials  - A user to be deleted | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Click on “Admin Panel “button located at the header | The /admin page should be opened |
| 3 | Notice the “User Management” section is displayed and contains the “Users Directory” table | N/A |
| 4 | Find in the users table the email of the user to be edited and click on “Delete” button | The Delete user modal should be opened |
| 5 | Read the text in the warning | No typos should exist, and the text should be understandable |
| 6 | Click on “Delete user” button | A Success toast message should be displayed, and the user should not be listed on the user’s table anymore |
| **Postconditions** | * The user should be deleted form the database “users” collection. | |

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| **ID** | TC17 | |
| **Title** | Common user should not have access to the “Admin panel” | |
| **Priority** | Medium | |
| **User Story** | JIRA-1004 - Manage users | |
| **Preconditions** | - Common user’s credentials | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Notice that “Admin Panel” button is not available at the header | The /admin page should not be visible |
| 3 | Edit the URL adding the “/admin” to the domain. Ex: http://mydomain/admin | The browser should redirect the user to the Home page |
| **Postconditions** |  | |

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| **ID** | TC18 | |
| **Title** | Admin user can edit another user’s reservation | |
| **Priority** | High | |
| **User Story** | JIRA-1005 – Manage reservations | |
| **Preconditions** | - Admin user’s credentials  - A reservation to edit | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Notice that “Admin Panel “is available at the header and click on it | The /admin page should be opened |
| 3 | Notice the “Reservations” button is show and click on it | The reservations table should be displayed |
| 4 | Find the row of the reservation to edit and click on its “Edit “button | The “Edit reservation” modal should be opened |
| 5 | Change the date, the time slot and click on “Update reservation” | The success toast message. “Reservation updated successfully” should be displayed The reservation data should be updated |
| **Postconditions** | * The Day and time slot data of the reservation should be updated in the /reservations collection | |

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| **ID** | TC19 | |
| **Title** | Admin user can delete another user’s reservation | |
| **Priority** | High | |
| **User Story** | JIRA-1005 – Manage reservations | |
| **Preconditions** | - Admin user’s credentials  - A reservation to delete | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Notice that “Admin Panel “is available at the header and click on it | The /admin page should be opened |
| 3 | Notice the “Reservations” button is show and click on it | The reservations table should be displayed |
| 4 | Find the row of the reservation to delete and click on its “Delete “button | The “Delete reservation” modal should be opened |
| 5 | Notice the information in the modal is displayed and this should not have any typo or misinformation | N/A |
| 6 | Click on “Delete reservation” button | The success toast message. “Reservation deleted successfully” should be displayed The reservation data should be deleted |
| **Postconditions** | * The reservation should be deleted from the /reservations collection | |

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| **ID** | TC20 | |
| **Title** | Common user cannot delete another user’s reservation | |
| **Priority** | Medium | |
| **User Story** | JIRA-1005 – Manage reservations | |
| **Preconditions** | - Common user’s credentials  - A reservation to delete | |
| **Steps** | Action | Expected results |
| 1 | Log into the BookMate app with the user credentials | Login succeeded and the Calendar view is displayed |
| 2 | Notice that “Admin Panel “is not available at the header and click on it | The /admin page should not be visible |
| 3 | Edit the URL adding the “/admin” to the domain. Ex: http://mydomain/admin | The browser should redirect the user to the Home page |
| **Postconditions** |  | |