

# Student House Dashboard User Requirements Specification

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## Table of Contents

Revision history .....	2
User roles .....	3
Functional requirements .....	3
Non-functional requirements.....	4
Use cases .....	4

## Revision history

Version number	Description
Version 1	Initial version
Version 1.01	Rephrased Functional requirements' titles, edited scenarios to have an end action

## User roles

- System administrator – Admin (for short)
- House manager – Manager (for short)
- Tenants

## Functional requirements

Functional requirement	Description
FR0001	Admin/Manager should be able to log in (WinForms)
FR0002	Admin/Manager should be able to log out (WinForms)
FR0003	Admin should be able to create user
FR0004	Admin/Manager should be able to update user data
FR0005	Admin should be able to delete user
FR0006	Admin/Manager should be able to create announcement
FR0007	Admin/Manager should be able to edit announcement
FR0008	Admin/Manager should be able to delete announcement
FR0009	Admin/Manager should be able to create event
FR0010	Admin/Manager should be able to edit event data
FR0011	Admin/Manager should be able to delete event
FR0012	Admin/Manager should be able to add a response to a complaint
FR0013	Admin/Manager should be able to edit complaint status
FR0014	Admin/Manager should be able to archive a complaint
FR0015	Tenant should be able to log in (ASP.NET)
FR0016	Tenant should be able to log out (ASP.NET)
FR0017	Tenant should be able to edit their user details
FR0018	Tenant should be able to vote on an announcement
FR0019	Tenant should be able to create an announcement
FR0020	Tenant should be able to edit an announcement made by them
FR0021	Tenant should be able to delete an announcement made by them

<b>FR0022</b>	Tenant should be able to create an event
<b>FR0023</b>	Tenant should be able to edit an event made by them
<b>FR0024</b>	Tenant should be able to delete an event made by them
<b>FR0025</b>	Tenant should be able to create a complaint
<b>FR0026</b>	Tenant should be able to add a response to a complaint made by them

## Non-functional requirements

- The project should have an easy-to-use interface with clear instructions.
- The system should have countermeasures against unauthorised access to data.

## Use cases

### UC0001 Admin/Manager logs in (WinForms)

Actor

System administrator or House manager

Preconditions

none

Main Success Scenario

1. Actor launches the application.
2. Actor is presented with a login page.
3. Actor chooses which house portal to access.
4. Actor enters their username and password.
5. Actor is authenticated and can access the system.
6. End of scenario

Extensions

3a. No house is chosen.

1. Error message "No house selected" is shown.
2. User closes the message.
3. Return to step 3.

4a. Wrong or no username or password given.

1. Error message "Login information is incorrect. Please check the fields." Is shown.
2. User closes the message.
3. Return to step 4.

### UC0002 Admin/Manager should be able to log out (WinForms)

Actor

System administrator or House manager

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor navigates to the main page of the application.
2. Actor selects the log out button.
3. Confirmation message "Do you want to log out" is presented.
4. Actor confirm their action and the application logs them out.
5. Actor is presented with the login page (see UC0001, step 2)
6. End of scenario

#### Extensions

3a. Actor selects No and cancels the action.

1. The message is dismissed.
2. Return to step 1.

UC0003 Admin should be able to create user.

Actor

System administrator

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Users tab from the navigation bar.
2. Actor selects the "Create user" button.
3. A menu with data fields is presented to the actor.
4. Actor fills the required fields with correct data.
5. Actor selects "Create user".
6. Confirmation message "User has been successfully created." Is shown.
7. Actor closes the message.
8. Actor returns to the Users tab.
9. End of scenario

#### Extensions

5a. User data is not fully filled in or is incorrect.

1. Error message "Incorrect user data entered. Please check the fields" is shown.
2. User dismissed the message.
3. Return to step 4.

5b. Actor selects "Cancel".

1. Actor returns to the Users tab.
2. End of scenario

## UC0004 Admin/Manager should be able to update user data

Actor

System administrator or House manager

### Preconditions

Actor is successfully logged in.

### Main Success Scenario

1. Actor selects the Users tab from the navigation bar.
2. Actor navigates to the desired user in the list.
3. Actor selects "Edit user" next to the username.
4. A menu with pre-filled data fields containing the given user's data is presented to the actor.
5. Actor edits or replaces data in the profile.
6. Actor selects "Save".
7. Confirmation message "User has been successfully updated." Is shown.
8. Actor closes the message.
9. Actor returns to the Users tab.
10. End of scenario

### Extensions

6a. User data is not fully filled in or is incorrect.

1. Error message "Incorrect user data given. Please check the fields" is shown.
2. User dismissed the message.
3. Return to step 4.

6b. Actor selects "Cancel".

1. Actor returns to the Users tab.
2. End of scenario

## UC0005 Admin should be able to delete user.

Actor

System administrator

### Preconditions

Actor is successfully logged in.

### Main Success Scenario

1. Actor selects the Users tab from the navigation bar.
2. Actor navigates to the desired user in the list.
3. Actor selects "Delete user" next to the username.
4. Confirmation message "Do you want to delete this user." Is shown.
5. Actor confirms the action.
6. Actor returns to the Users tab.
7. End of scenario

#### Extensions

4a. Actor selects "No".

1. Actor returns to the Users tab.
2. End of scenario

UC0006 Admin/Manager should be able to create announcement.

Actor

System administrator or House manager

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Announcements tab from the navigation bar.
2. Actor selects the "Create announcement" button.
3. A menu with data fields is presented to the actor.
4. Actor fills the required fields with correct data.
5. Actor selects the announcement's priority.
6. Actor selects "Create announcement".
7. Confirmation message "Announcement has been successfully created." Is shown.
8. Actor closes the message.
9. Actor returns to the Announcements tab.
10. End of scenario

#### Extensions

6a. Message is empty or other data is in an invalid format.

1. Error message "Incorrect data entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 5.

6b. Actor selects "Cancel".

1. Actor returns to the Announcements tab.
2. End of scenario

UC0007 Admin/Manager should be able to edit announcement.

Actor

System administrator or House manager

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Announcements tab from the navigation bar.
2. Actor navigates to the desired announcement in the list.
3. Actor selects "Edit announcement" next to the title.

4. A menu with pre-filled data fields containing the given announcement's details is presented to the actor.
5. Actor edits or replaces data in the announcement.
6. Actor selects "Save".
7. Confirmation message "Announcement has been successfully updated." Is shown.
8. Actor closes the message.
9. Actor returns to the Announcements tab.
10. End of scenario

#### Extensions

6a. Announcement details are not fully filled in or are incorrect.

1. Error message "Incorrect announcement data entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 4.

6b. Actor selects "Cancel".

1. Actor returns to the Announcements tab.
2. End of scenario

UC0008 Admin/Manager should be able to delete announcement.

Actor

System administrator or House manager

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Announcement tab from the navigation bar.
2. Actor navigates to the desired announcement in the list.
3. Actor selects "Delete announcement" next to the title.
4. Confirmation message "Do you want to delete this announcement." Is shown.
5. Actor confirms the action.
6. Actor returns to the Announcements tab.
7. End of scenario

#### Extensions

4a. Actor selects "No".

1. Actor returns to the Announcements tab.
2. End of scenario

UC0009 Admin/Manager should be able to create event.

Actor

System administrator or House manager



#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Events tab from the navigation bar.
2. Actor selects the "Create event" button.
3. A menu with data fields is presented to the actor.
4. Actor fills the required fields with correct data.
5. Actor selects "Create event".
6. Confirmation message "Event has been successfully created." Is shown.
7. Actor closes the message.
8. Actor returns to the Events tab.
9. End of scenario

#### Extensions

5a. Event details are not fully filled in or are incorrect.

1. Error message "Incorrect data entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 5.

5b. Actor selects "Cancel".

1. Actor returns to the Events tab.
2. End of scenario

UC0010 Admin/Manager should be able to edit event data.

Actor

System administrator or House manager

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Events tab from the navigation bar.
2. Actor navigates to the desired event in the list.
3. Actor selects "Edit event" next to the title.
4. A menu with pre-filled data fields containing the given event's details is presented to the actor.
5. Actor edits or replaces data in the event.
6. Actor selects "Save".
7. Confirmation message "Event has been successfully updated." Is shown.
8. Actor closes the message.
9. Actor returns to the Events tab.
10. End of scenario

#### Extensions

6a. Event details are not fully filled in or are incorrect.

1. Error message "Incorrect event data entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 4.

6b. Actor selects "Cancel".

1. Actor returns to the Events tab.
2. End of scenario

UC0011 Admin/Manager should be able to delete event.

Actor

System administrator or House manager

Preconditions

Actor is successfully logged in.

Main Success Scenario

1. Actor selects the Events tab from the navigation bar.
2. Actor navigates to the desired event in the list.
3. Actor selects "Delete event" next to the title.
4. Confirmation message "Do you want to delete this event." Is shown.
5. Actor confirms the action.
6. Actor returns to the Events tab.
7. End of scenario

Extensions

4a. Actor selects "No".

1. Actor returns to the Events tab.
2. End of scenario

UC0012 Admin/Manager should be able to add a response to a complaint.

Actor

System administrator or House manager

Preconditions

Actor is successfully logged in.

Main Success Scenario

1. Actor selects the Complaints tab from the navigation bar.
2. Actor opens the desired complaint.
3. An overview with the complaint details and previous responses is presented.
4. Actor adds a response using a text field.
5. Actor selects "Send response".
6. The overview is updated, and the new response is shown.
7. Actor can return to the Complaints tab.
8. End of scenario

#### Extensions

5a. Response is empty.

1. Error message “No text has been entered. Please check the fields” is shown.
2. User closes the message.
3. Return to step 5.

UC0013 Admin/Manager should be able to edit complaint status.

Actor

System administrator or House manager

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Complaints tab from the navigation bar.
2. Actor navigates to the desired complaint in the list.
3. Actor selects “Edit complaint” next to the title.
4. A menu with pre-filled data fields containing the given complaint’s details is presented to the actor.
5. Actor edits or replaces data in the complaint.
6. Actor selects “Save”.
7. Confirmation message “Complaint has been successfully updated.” Is shown.
8. Actor closes the message.
9. Actor returns to the Complaints tab.
10. End of scenario

#### Extensions

6a. Complaint details are not fully filled in or are incorrect.

1. Error message “Incorrect complaint data entered. Please check the fields” is shown.
2. User closes the message.
3. Return to step 4.

6b. Actor selects “Cancel”.

1. Actor returns to the Complaints tab.
2. End of scenario

UC0014 Admin/Manager should be able to archive a complaint.

Actor

System administrator or House manager

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Complaints tab from the navigation bar.
2. Actor navigates to the desired complaint in the list.

3. Actor selects "Archive complaint" next to the title.
4. Confirmation message "Do you want to archive this complaint." Is shown.
5. Actor confirms the action.
6. Actor returns to the Complaints tab.
7. End of scenario

#### Extensions

##### 4a. Actor selects "No".

1. Actor returns to the Complaints tab.
2. End of scenario

#### UC0015 Tenant should be able to log in (ASP.NET)

Actor

Tenant

#### Preconditions

none

#### Main Success Scenario

1. Actor opens the web application.
2. Actor is presented with a landing page.
3. Actor clicks "Log in" link in the navigation bar.
4. Actor enters their username and password.
5. Actor is authenticated and can access the system.
6. End of scenario

#### Extensions

##### 4a. Wrong or no username or password given.

1. Error message "Login information is incorrect. Please check the fields." Is shown.
2. User closes the message.
3. Return to step 4.

#### UC0016 Tenant should be able to log out (ASP.NET)

Actor

Tenant

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the log out link in the navigation bar.
2. Actor is logged out.
3. End of scenario

#### Extensions

none

UC0017 Tenant should be able to edit their user details.

Actor

Tenant

Preconditions

Actor is successfully logged in.

Main Success Scenario

1. Actor clicks on their username in the navigation bar.
2. Actor can choose what data to edit using a sidebar.
3. Actor edits or replaces data in the profile.
4. Actor selects "Save" when required.
5. Confirmation message "User has been successfully updated." Is shown.
6. Actor closes the message.
7. Actor returns to the Users tab.
8. End of scenario

Extensions

6a. Error in the given data is found.

1. An error message with red text is shown.
2. Return to step 2.

UC0018 Tenant should be able to vote on an announcement.

Actor

Tenant

Preconditions

Actor is successfully logged in.

Main Success Scenario

1. Actor selects the Announcements tab from the navigation bar.
2. Actor navigates to the desired announcement in the list.
3. Actor selects "Like" or "Dislike" button.
4. End of scenario

Extensions

none

UC0019 Tenant should be able to create an announcement.

Actor

Tenant

Preconditions

Actor is successfully logged in.

Main Success Scenario

1. Actor selects the Announcements tab from the navigation bar.
2. Actor selects the "Create announcement" button.

3. A menu with data fields is presented to the actor.
4. Actor fills the required fields with correct data.
5. Actor selects "Create announcement".
6. Confirmation message "Announcement has been successfully created." Is shown.
7. Actor closes the message.
8. Actor returns to the Announcements tab.
9. End of scenario

#### Extensions

5a. Message is empty or other data is in an invalid format.

1. Error message "Incorrect data entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 5.

5b. Actor selects "Cancel".

1. Actor returns to the Announcements tab.
2. End of scenario

UC0020 Tenant should be able to edit an announcement made by them.

Actor

Tenant

#### Preconditions

Actor is successfully logged in.

The chosen announcement has been created by the actor.

#### Main Success Scenario

1. Actor selects the Announcements tab from the navigation bar.
2. Actor navigates to the desired announcement in the list.
3. Actor selects "Edit announcement" next to the title.
4. A menu with pre-filled data fields containing the given announcement's details is presented to the actor.
5. Actor edits or replaces data in the announcement.
6. Actor selects "Save".
7. Confirmation message "Announcement has been successfully updated." Is shown.
8. Actor closes the message.
9. Actor returns to the Announcements tab.
10. End of scenario

#### Extensions

6a. Announcement details are not fully filled in or are incorrect.

1. Error message "Incorrect announcement data entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 4.

6b. Actor selects "Cancel".

1. Actor returns to the Announcements tab.
2. End of scenario

UC0021 Tenant should be able to delete an announcement made by them.

Actor

Tenant

Preconditions

Actor is successfully logged in.

The chosen announcement has been created by the actor.

Main Success Scenario

1. Actor selects the Announcement tab from the navigation bar.
2. Actor navigates to the desired announcement in the list.
3. Actor selects "Delete announcement" next to the title.
4. Confirmation message "Do you want to delete this announcement." Is shown.
5. Actor confirms the action.
6. Actor returns to the Announcements tab.
7. End of scenario

Extensions

4a. Actor selects "No".

1. Actor returns to the Announcements tab.
2. End of scenario

UC0022 Tenant should be able to create an event.

Actor

Tenant

Preconditions

Actor is successfully logged in.

Main Success Scenario

1. Actor selects the Events tab from the navigation bar.
2. Actor selects the "Create event" button.
3. A menu with data fields is presented to the actor.
4. Actor fills the required fields with correct data.
5. Actor selects "Create event".
6. Confirmation message "Event has been successfully created." Is shown.
7. Actor closes the message.
8. Actor returns to the Events tab.
9. End of scenario

Extensions

5a. Event details are not fully filled in or are incorrect.

1. Error message “Incorrect data entered. Please check the fields” is shown.
2. User closes the message.
3. Return to step 5.

5b. Actor selects “Cancel”.

1. Actor returns to the Events tab.
2. End of scenario

UC0023 Tenant should be able to edit an event made by them.

Actor

Tenant

Preconditions

Actor is successfully logged in.

The chosen event has been created by the actor.

Main Success Scenario

1. Actor selects the Events tab from the navigation bar.
2. Actor navigates to the desired event in the list.
3. Actor selects “Edit event” next to the title.
4. A menu with pre-filled data fields containing the given event’s details is presented to the actor.
5. Actor edits or replaces data in the event.
6. Actor selects “Save”.
7. Confirmation message “Event has been successfully updated.” Is shown.
8. Actor closes the message.
9. Actor returns to the Events tab.
10. End of scenario

Extensions

6a. Event details are not fully filled in or are incorrect.

1. Error message “Incorrect event data entered. Please check the fields” is shown.
2. User closes the message.
3. Return to step 4.

6b. Actor selects “Cancel”.

1. Actor returns to the Events tab.
2. End of scenario

UC0024 Tenant should be able to delete an event made by them.

Actor

Tenant

Preconditions

Actor is successfully logged in.

The chosen event has been created by the actor.



#### Main Success Scenario

1. Actor selects the Events tab from the navigation bar.
2. Actor navigates to the desired event in the list.
3. Actor selects "Delete event" next to the title.
4. Confirmation message "Do you want to delete this event." Is shown.
5. Actor confirms the action.
6. Actor returns to the Events tab.
7. End of scenario

#### Extensions

4a. Actor selects "No".

1. Actor returns to the Events tab.
2. End of scenario

UC0025 Tenant should be able to create a complaint.

Actor

Tenant

#### Preconditions

Actor is successfully logged in.

#### Main Success Scenario

1. Actor selects the Complaints tab from the navigation bar.
2. Actor selects the "Create complaint" button.
3. A menu with data fields is presented to the actor.
4. Actor fills the required fields with correct data.
5. Actor selects "Create complaint".
6. Confirmation message "Complaint has been successfully created." Is shown.
7. Actor closes the message.
8. Actor returns to the Complaints tab.
9. End of scenario

#### Extensions

5a. Complaint details are not fully filled in or are incorrect.

1. Error message "Incorrect data entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 5.

5b. Actor selects "Cancel".

1. Actor returns to the Events tab.
2. End of scenario

UC0026 Tenant should be able to add a response to a complaint made by them.

Actor

Tenant

#### Preconditions

Actor is successfully logged in.

The chosen complaint has been created by the tenant.

#### Main Success Scenario

1. Actor selects the Complaints tab from the navigation bar.
2. Actor opens the desired complaint.
3. An overview with the complaint details and previous responses is presented.
4. Actor adds a response using a text field.
5. Actor selects "Send response".
6. The overview is updated, and the new response is shown.
7. Actor can return to the Complaints tab.
8. End of scenario

#### Extensions

5a. Response is empty.

1. Error message "No text has been entered. Please check the fields" is shown.
2. User closes the message.
3. Return to step 5.