Internal Sprint Review

User stories

Demoed user stories	**Adherence to definition of done and acceptance criteria**	**Internal Product Owner Comments**
SCRUM-33: As a team member, I want to log in to the application, so I can access my tasks and project updates	Functional Requirements ☑ ~~Functionality is complete as per the specifications agreed upon during sprint planning.~~ ● During sprint planning, we agreed that team members had to be able to log in to the project management application and also change their pre-set password set by the admin upon account creation. Testing ☑ ~~User Acceptance Testing: Functionality is validated by the PO or stakeholder.~~ Documentation ☑ ~~Code Documentation: Code is appropriately commented and documented.~~ ☑ ~~User Documentation: User documentation is provided if necessary.~~ ● Login functionality and password and email reset functionality is outlined in the relevant user	"The login page is clean and intuitive. Furthermore, I can definitely see the ability to change the font size useful for those with impaired visuals."

	documentation. ● Login reset functionality is also outlined for users and administrators in the user documentations. ☑ ~~Backlog Update: Completed items are marked as "Done" in the product backlog and sprint backlog.~~ Code Review ☑ ~~Code is reviewed by at least one other team member against the following matrix~~ 1. Code is well formatted and readable a. No commented out code b. Forms and buttons are functional c. Page load time is short (less than 1 second on average) 2. Proper HTML structure is followed eg (H1, H2 ect) 3. Javascript functions behave as expected Deployment ☑ ~~Able to be deployed on a chrome browser with expected functionality.~~ ● As demonstrated on the video and as examples in the user documentation, all features work as intended on the google chrome browser. Product Owner Acceptance ☑ ~~Functionality is reviewed and accepted by the PO during the Sprint Review.~~ Usability and Accessibility ☑ ~~Can be made accessible by changing font sizes of webpages in accordance to preset levels (small, medium and large).~~ ● Accessibility is provided through a font slider.	
SCRUM-30: As a developer, I want to receive clear and detailed requirements, so I can implement features accurately	Functional Requirements ☑ ~~Functionality is complete as per the specifications agreed upon during sprint planning.~~ Testing ☑ ~~User Acceptance Testing: Functionality is validated by the PO or stakeholder.~~ Documentation ☑ ~~Code Documentation: Code is appropriately commented and documented.~~ ☑ ~~User Documentation: User documentation is provided if necessary.~~ ● We determined that no user documentation was required to address this user story since this user story was mainly focused on ensuring detail being displayed for tasks.	" All requirements are shown clearly in the sprint board filtered based on their completion status. This allows me to decide the priority of task and how to allocate manpower to resolve them"

	☑ ~~Backlog Update: Completed items are marked as "Done" in the product backlog and sprint backlog.~~ Code Review ☑ ~~Code is reviewed by at least one other team member against the following matrix~~ 1. Code is well formatted and readable a. No commented out code b. Forms and buttons are functional c. Page load time is short (less than 1 second on average) 2. Proper HTML structure is followed eg (H1, H2 ect) 3. Javascript functions behave as expected Deployment ☑ ~~Able to be deployed on a chrome browser with expected functionality.~~ Product Owner Acceptance ☑ ~~Functionality is reviewed and accepted by the PO during the Sprint Review.~~ Usability and Accessibility ☑ ~~Can be made accessible by changing font sizes of webpages in accordance to preset levels (small, medium and large).~~ • Accessibility is provided through a font slider.	
SCRUM-38: As a user, I want to be able to create a burndown chart of the sprint, so that I can see the progress of the current sprint	Functional Requirements ☑ ~~Functionality is complete as per the specifications agreed upon during sprint planning.~~ Testing ☑ ~~User Acceptance Testing: Functionality is validated by the PO or stakeholder.~~ Documentation ☑ ~~Code Documentation: Code is appropriately commented and documented.~~ ☑ ~~User Documentation: User documentation is provided if necessary.~~ • Burndown chart generation is outlined in user documentation. ☑ ~~Backlog Update: Completed items are marked as "Done" in the product backlog and sprint backlog.~~ Code Review ☑ ~~Code is reviewed by at least one other team member against the following matrix~~ 1. Code is well formatted and readable	"The burndown chart can be easily viewed and is even filtered based on their respective sprint. This reduces any confusion towards which sprint's burndown I may be looking at allowing for effective and efficient usage."

<table>
<tr><td></td><td>
a. No commented out code
b. Forms and buttons are functional
c. Page load time is short (less than 1 second on average)
2. Proper HTML structure is followed eg (H1, H2 ect)
3. Javascript functions behave as expected

Deployment
☑ ~~Able to be deployed on a chrome browser with expected functionality.~~

Product Owner Acceptance
☑ ~~Functionality is reviewed and accepted by the PO during the Sprint Review.~~

Usability and Accessibility
☑ ~~Can be made accessible by changing font sizes of webpages in accordance to preset levels (small, medium and large).~~
● Accessibility is provided through a font slider.
</td><td></td></tr>
<tr><td>SCRUM-42:
As a team member, I want to view the sprint board, so that I can understand the overall goal of the current sprint</td><td>
Functional Requirements
☑ ~~Functionality is complete as per the specifications agreed upon during sprint planning.~~

Testing
☑ ~~User Acceptance Testing: Functionality is validated by the PO or stakeholder.~~

Documentation
☑ ~~Code Documentation: Code is appropriately commented and documented.~~
☑ ~~User Documentation: User documentation is provided if necessary.~~
● Basic user documentation on how to navigate from the dashboard to the sprint board is provided in the user documentation.
☑ ~~Backlog Update: Completed items are marked as "Done" in the product backlog and sprint backlog.~~

Code Review
☑ ~~Code is reviewed by at least one other team member against the following matrix~~
1. Code is well formatted and readable
a. No commented out code
b. Forms and buttons are functional
c. Page load time is short (less than 1 second on average)
2. Proper HTML structure is followed eg (H1, H2 ect)
3. Javascript functions behave as expected
</td><td>“ The sprint goal isn’t present in the sprint board, however there are other still functionalities present”</td></tr>
</table>

<table>
<tr><td></td><td>Deployment
☑ ~~Able to be deployed on a chrome browser with expected functionality.~~

Product Owner Acceptance
☑ ~~Functionality is reviewed and accepted by the PO during the Sprint Review.~~

Usability and Accessibility
☑ ~~Can be made accessible by changing font sizes of webpages in accordance to preset levels (small, medium and large).~~
• Accessibility is provided through a font slider.</td><td></td></tr>
<tr><td>SCRUM-43:
As a developer, I want to be able to log the hours I have spent on tasks, so that I can be recognised for my work</td><td>Functional Requirements
☑ ~~Functionality is complete as per the specifications agreed upon during sprint planning.~~

Testing
☑ ~~User Acceptance Testing: Functionality is validated by the PO or stakeholder.~~

Documentation
☑ ~~Code Documentation: Code is appropriately commented and documented.~~
☑ ~~User Documentation: User documentation is provided if necessary.~~
• A guide on how to log hours for tasks has been provided in the below user documentation.
☑ ~~Backlog Update: Completed items are marked as "Done" in the product backlog and sprint backlog.~~

Code Review
☑ ~~Code is reviewed by at least one other team member against the following matrix~~
1. Code is well formatted and readable
a. No commented out code
b. Forms and buttons are functional
c. Page load time is short (less than 1 second on average)
2. Proper HTML structure is followed eg (H1, H2 ect)
3. Javascript functions behave as expected

Deployment
☑ ~~Able to be deployed on a chrome browser with expected functionality.~~

Product Owner Acceptance
☑ ~~Functionality is reviewed and accepted by the~~</td><td>“Logging hours works although I have to remember my original value and add my hours worked on top of it. ”</td></tr>
</table>

	~~PO during the Sprint Review.~~ Usability and Accessibility ☑ ~~Can be made accessible by changing font sizes of webpages in accordance to preset levels (small, medium and large).~~ • Accessibility is provided through a font slider.	
SCRUM-39: As an admin I want to be able to reset passwords so that members who forget their passwords can log back in.	Functional Requirements ☑ ~~Functionality is complete as per the specifications agreed upon during sprint planning.~~ Testing ☑ ~~User Acceptance Testing: Functionality is validated by the PO or stakeholder.~~ Documentation ☑ ~~Code Documentation: Code is appropriately commented and documented.~~ ☑ ~~User Documentation: User documentation is provided if necessary.~~ • The details on how admins can reset or update user details of any registered account is documented in the user documentation. ☑ ~~Backlog Update: Completed items are marked as "Done" in the product backlog and sprint backlog.~~ Code Review ☑ ~~Code is reviewed by at least one other team member against the following matrix~~ 1. Code is well formatted and readable a. No commented out code b. Forms and buttons are functional c. Page load time is short (less than 1 second on average) 2. Proper HTML structure is followed eg (H1, H2 ect) 3. Javascript functions behave as expected Deployment ☑ ~~Able to be deployed on a chrome browser with expected functionality.~~ Product Owner Acceptance ☑ ~~Functionality is reviewed and accepted by the PO during the Sprint Review.~~ Usability and Accessibility ☑ ~~Can be made accessible by changing font sizes of webpages in accordance to preset levels (small, medium and large).~~ • Accessibility is provided through a font slider.	“The interface for resetting member passwords looks great and is well stylized, allowing me to easily navigate and utilise the functions.”

Outcome of sprint

While not as many features were implemented in this final sprint compared to the last, the progress made was still significant. A lot more consideration was put into the aesthetic design of the product, and several bugs which were identified in the last product demonstration were rectified during this sprint. So while the size of the product did not grow as much as it did in the last sprint, the overall quality was definitely enhanced. Furthermore, the sprint backlog was successfully completed in time before the due date, including any tasks which carried over from the previous sprints. This sets us up in a good position to begin any future sprints.

The team unanimously agrees that their understanding of the scrum process is much stronger due to experience from the first two sprints, and because of that, members were able to fully focus on the code implementation and design instead of being slowed down by mismanaged documentation.

Changes in environment

Overlapping Deadlines (Week 10 - Week 12)

As we reached the final weeks of the semester, members were faced with overlapping deadlines for multiple assessments, tests and presentations. Due to this exponential increase in workload, members were challenged with balancing their schedules and distributing their attention across all their units. This had a severe toll on several members' mental and physical health as exhaustion and anxiety crept in.

With regards to the software development process, members had less time for proactive, collaborative development sessions, instead opting to complete their tasks according to their own personal schedules, whether this may be the early morning or past midnight. Regardless, the team was able to push through and complete the final sprint. Thanks to having a much more established documentation process from the previous sprints, members did not have to waste any energy on fixing the process.

Exam Preparation (Week 12 +)

As the exam season approached, members became increasingly stressed and needed to begin revising their unit content. This further impacted the team's overall mental health, as the stress from various things began piling up. Ultimately, the main change in environment during this sprint was the pressure placed on team members, not just to complete the sprint, but to perform well in their other units too.

Future steps/potential product backlog updates

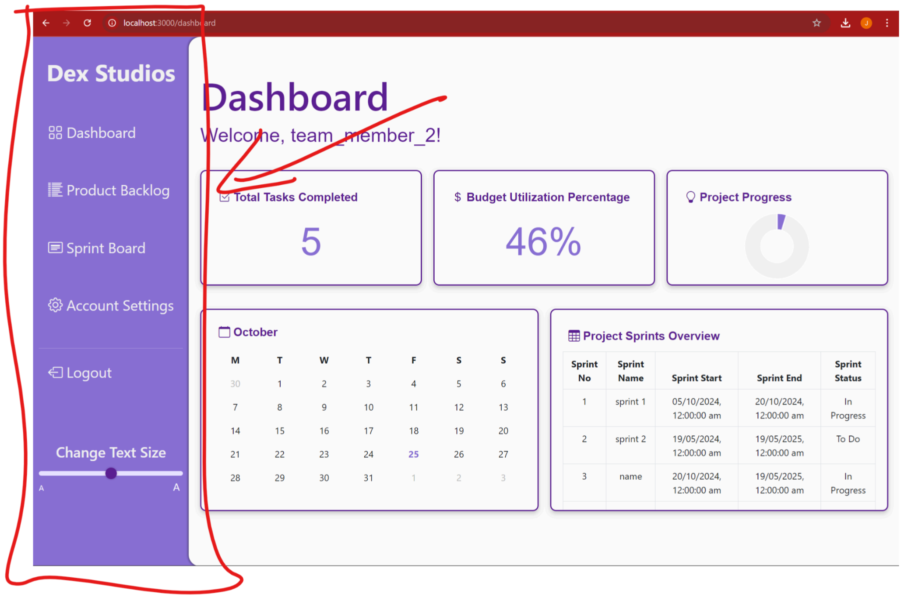
The next step would be having another requirement gathering session with the product owner detailing future improvements, it may involve polishing/ refining functionalities which were incomplete during sprint 3.

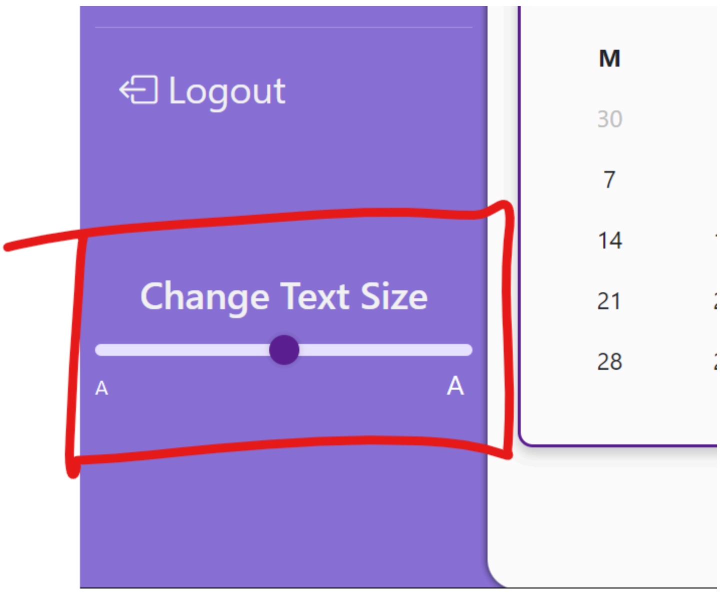
New features in potential future versions could involve implementing more accessibility features, for instance visual assistance introducing dark mode or colour changing themes to aid usability could be a possibility in the next version. Additionally future versions could involve introducing different report formats such as new charts creating a more detailed overview.

User Documentation

Accessibility settings (general)

Accessibility settings can be located on every page on the side nav bar.



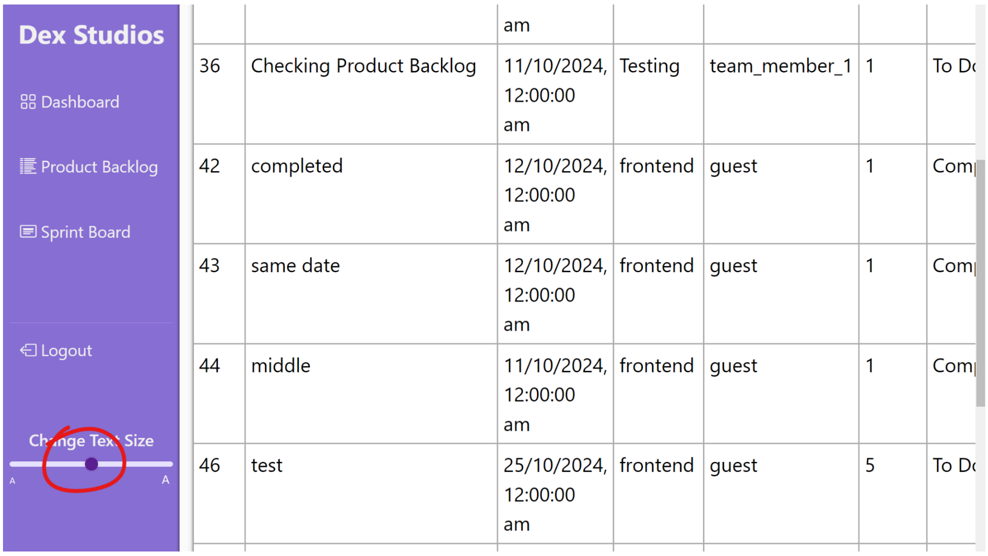


Once navigating to the side nav bar, the slider at the bottom of the nav bar will allow you to change the font size of the page.

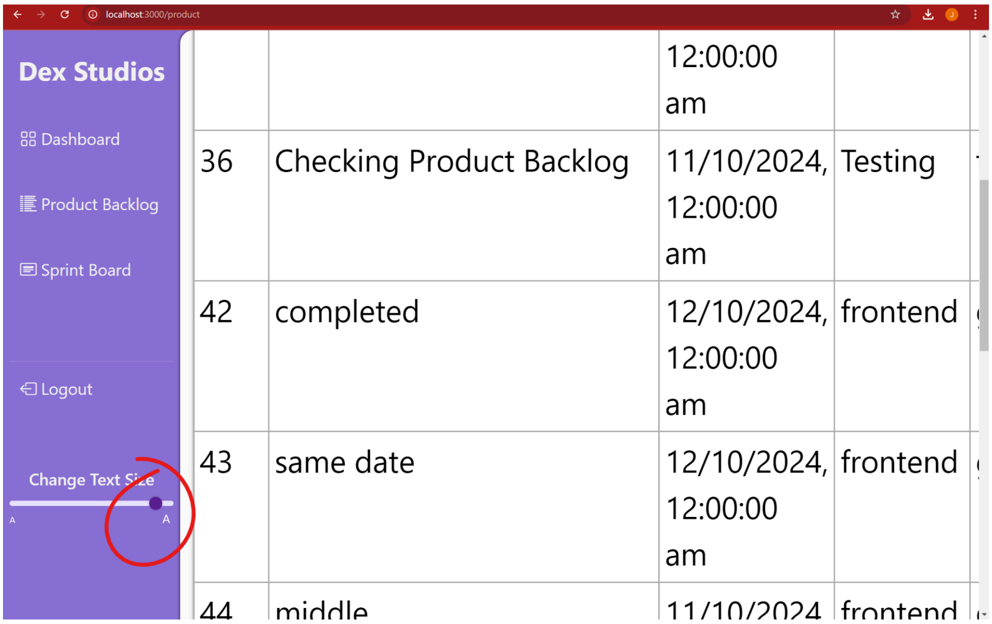
Using the slider

By dragging and dropping the pointer at the centre of the bar, you are able to manipulate font size as demonstrated below.

Normal size



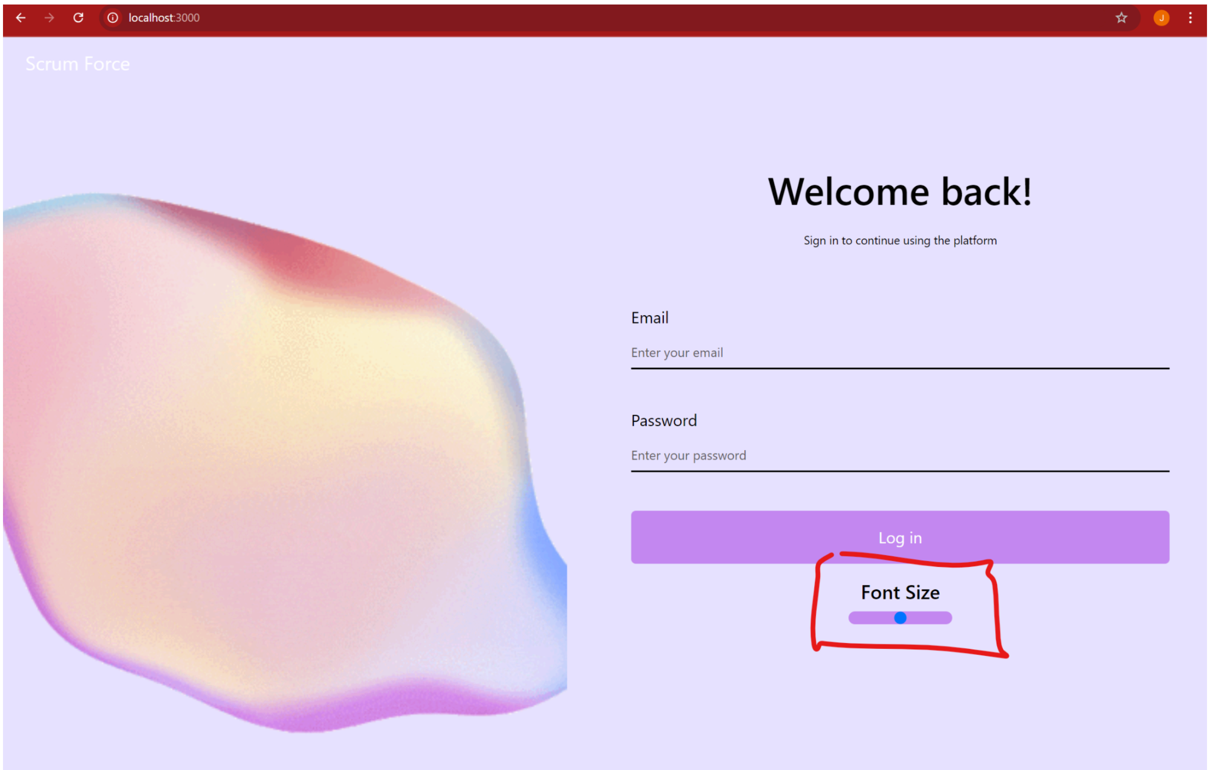
Expanded size



Accessibility settings (login)

Accessibility can also be found on the login page, for those with vision impairments. However, considering how the login page doesn't have a nav bar, the font slider is located just below the login button in the bottom right corner of the page.

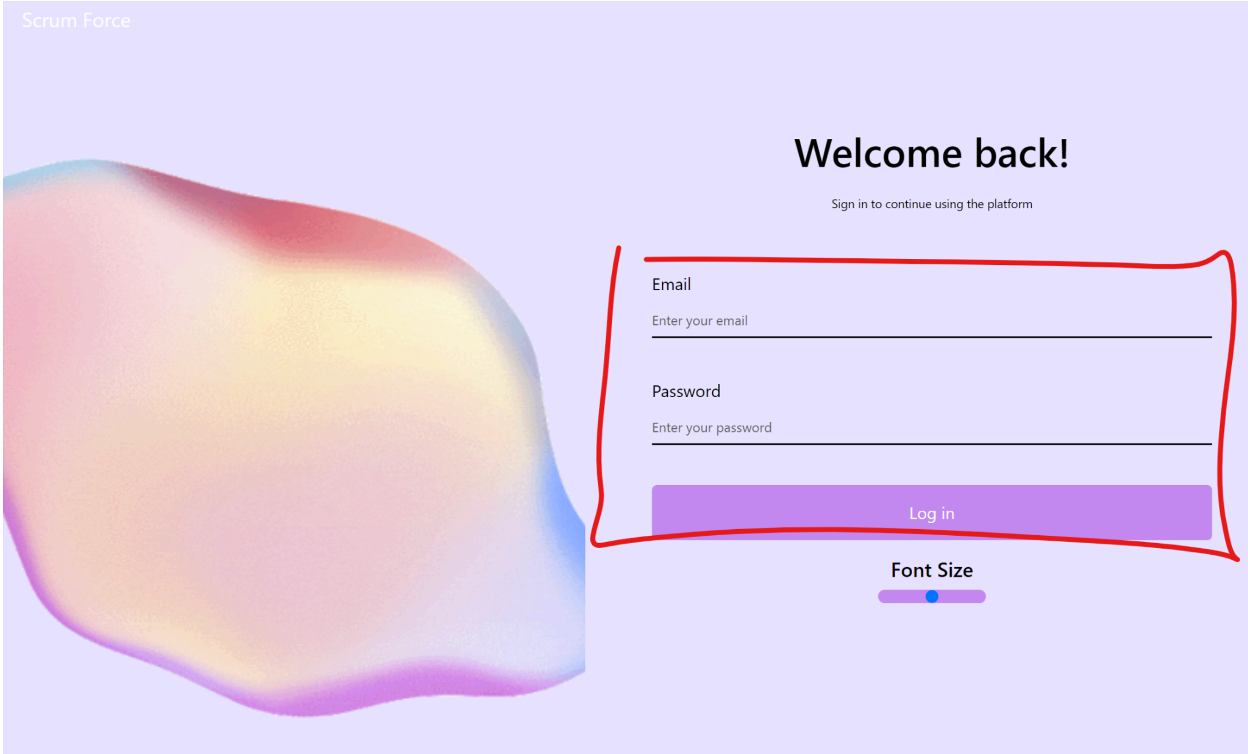
In order to use the slider, refer to the above [slider instructions]



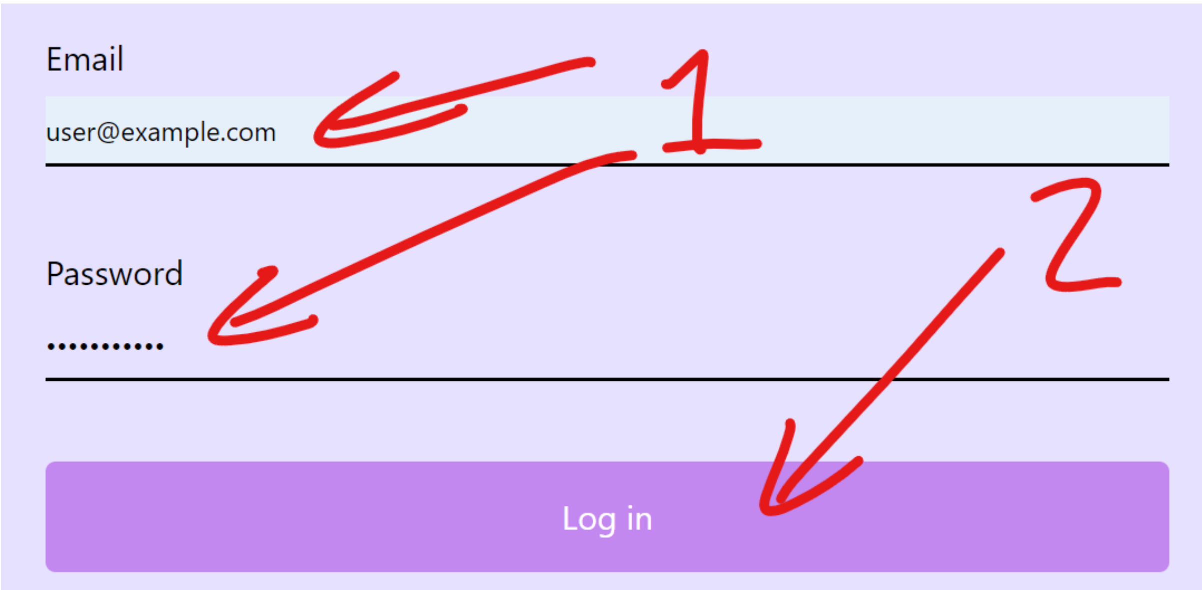
Login guide

First, locate the login interface, consisting of a field to input your username and password.

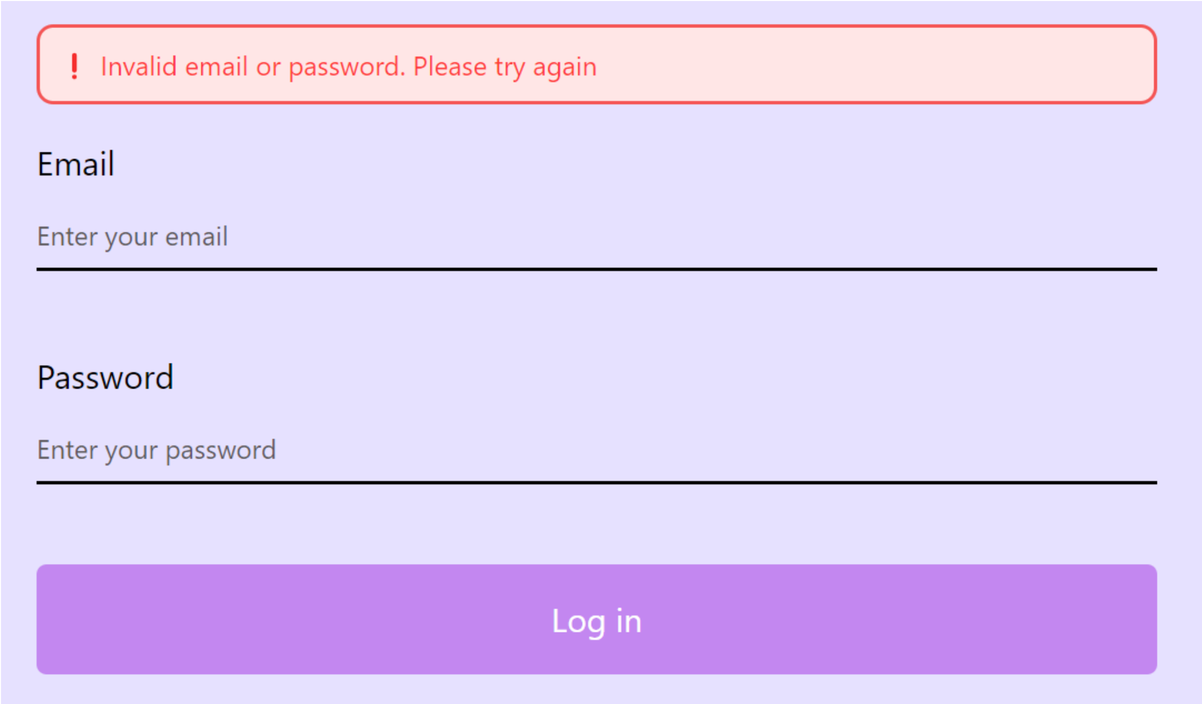
If you are an administrator of the system, you should already know your username and password. If you are a team member, the administrator of your system should provide you with your work email address and a temporary password which you will have to change after you log in.



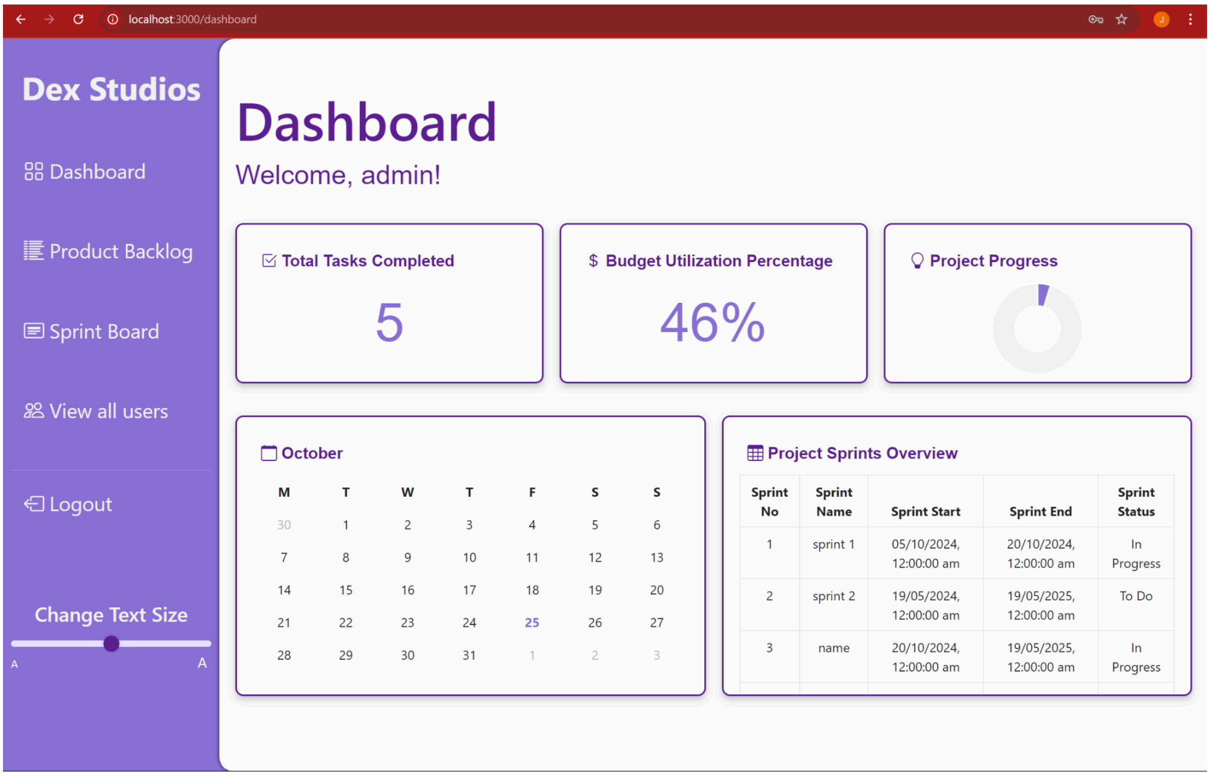
Once you have located the fields, input your email and password as indicated below (1). Then hit the login button (2).



Should there have been an error, an error message will pop up, prompting you to try again.

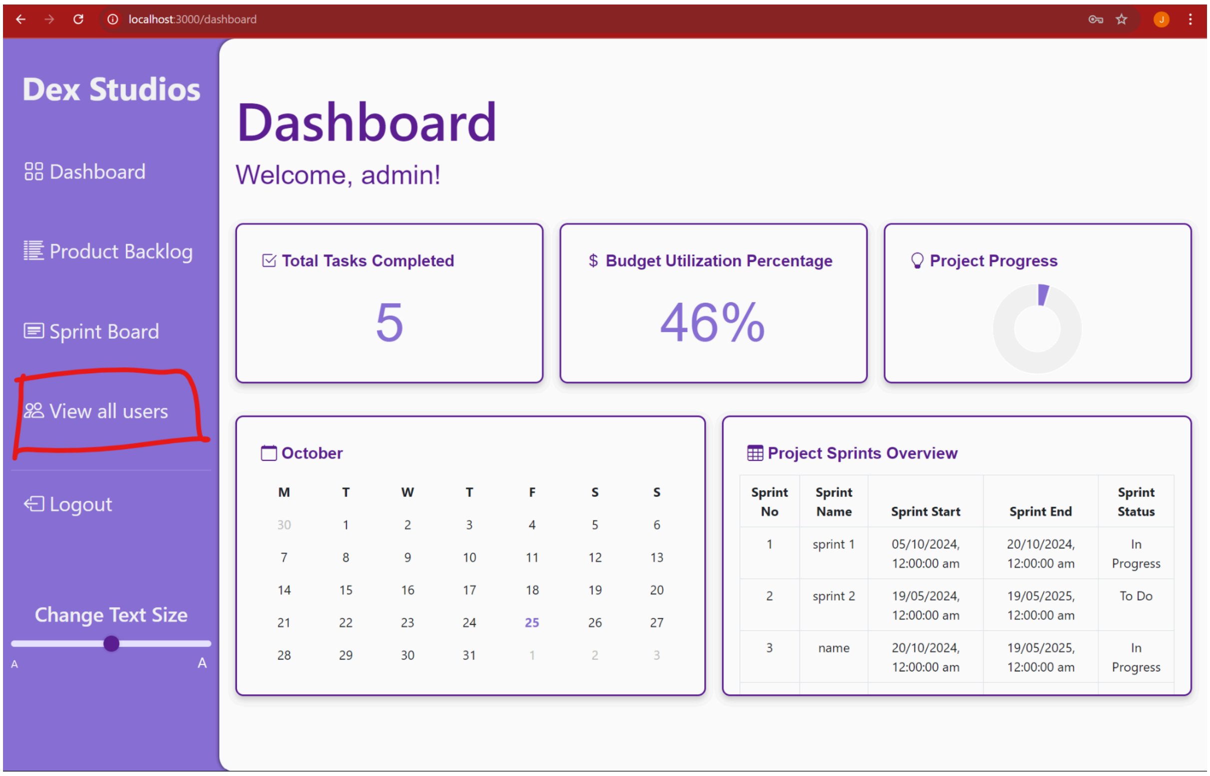


However, should you be successful, you should be granted access into the dashboard of the system.

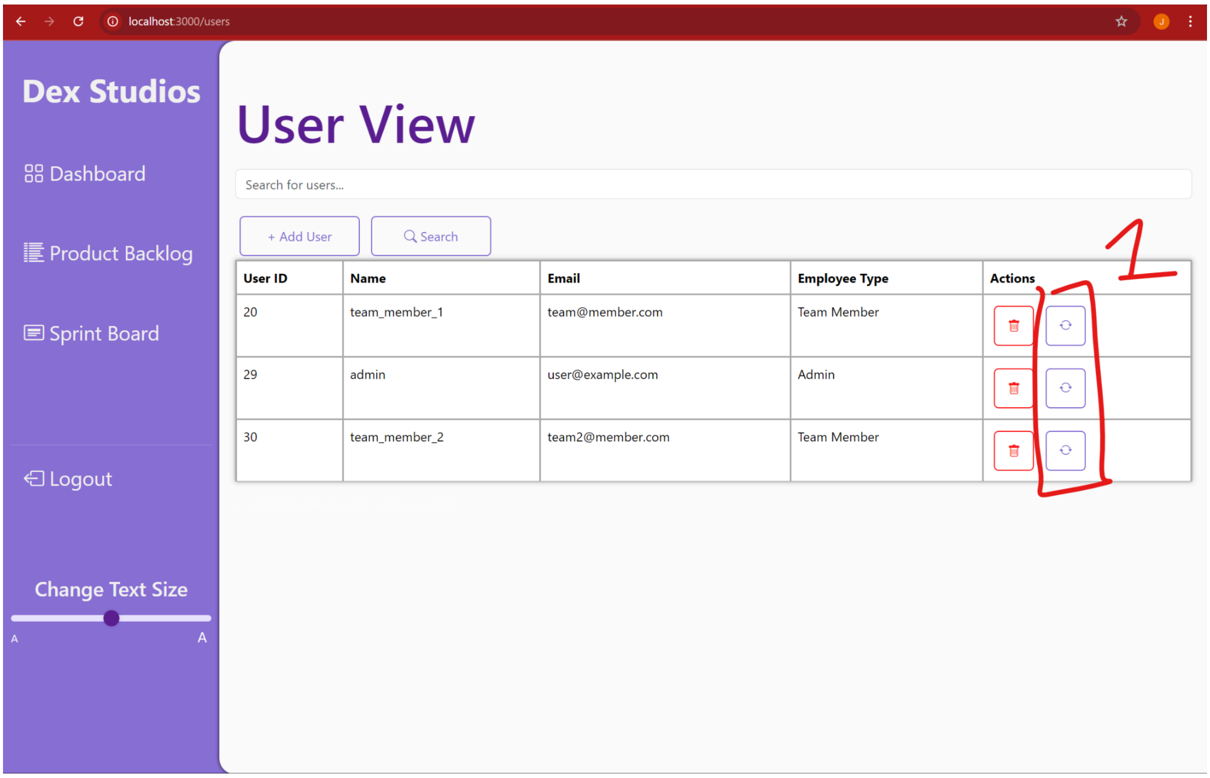


Changing login details (admin) & updating and resetting user details

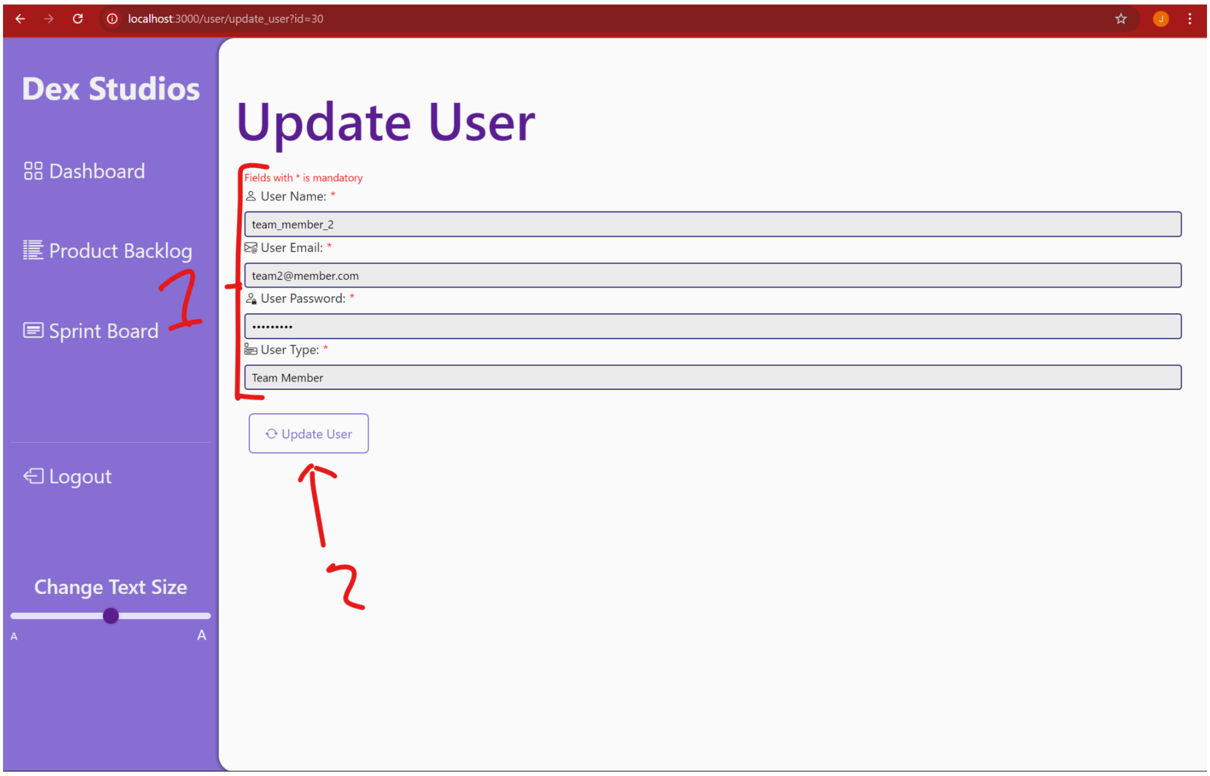
As an administrator, you will be able to view accounts currently registered within the system, furthermore, you will be able to modify the login details of team members for them, First navigate to the “View all users” button located on the side nav bar.



Once clicked, you will be navigated to a page where you can view all registered users. Once you have identified the user whose details you wish to update, hit the update button of the same column as the user (1).

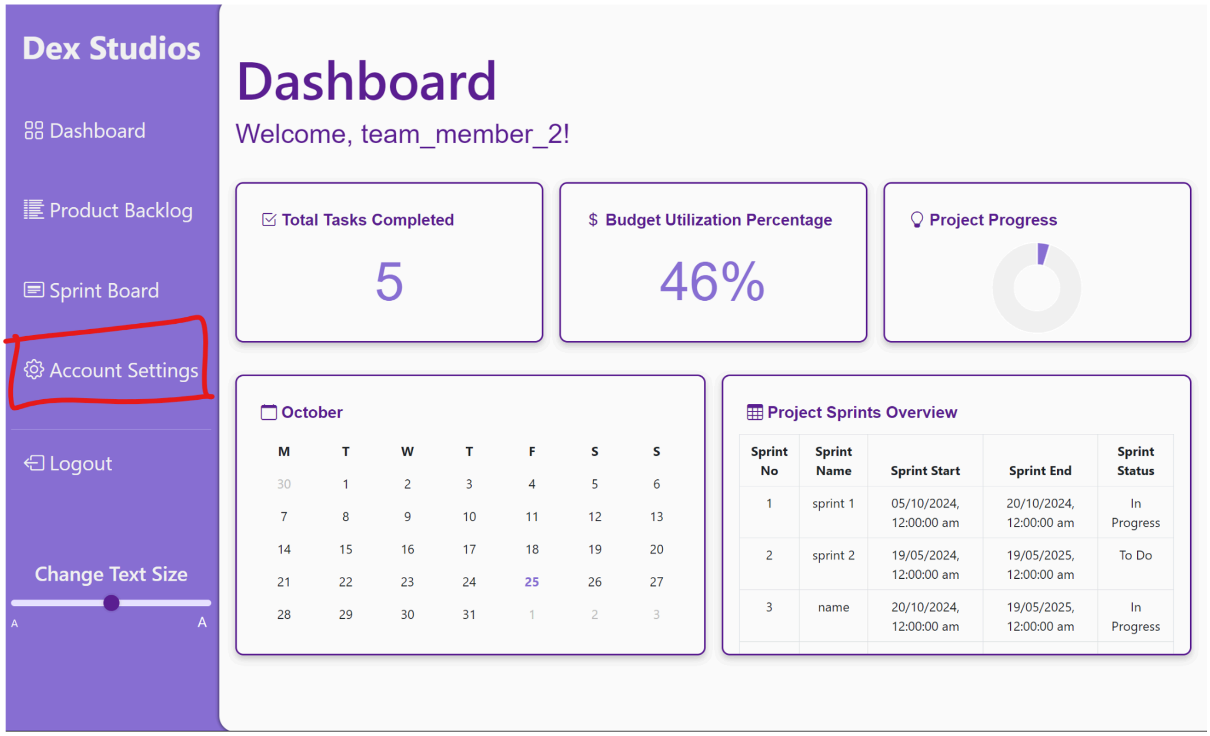


Upon doing so, enter the updated details in the relevant fields (1), then hit the update user button in order to confirm the update (2). Upon doing so, the new details should be live for the relevant user to use.

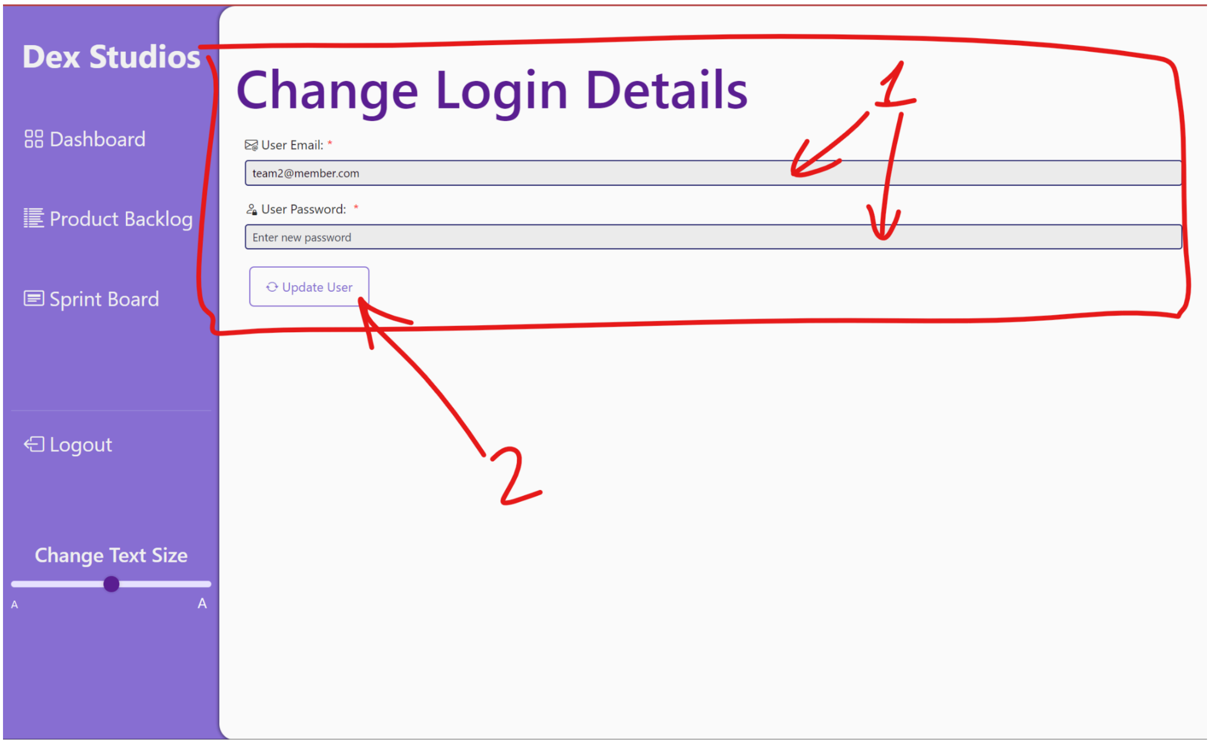


Changing login details (user)

In order to change your login details as a user, first find and click the account settings button found on the side nav bar.

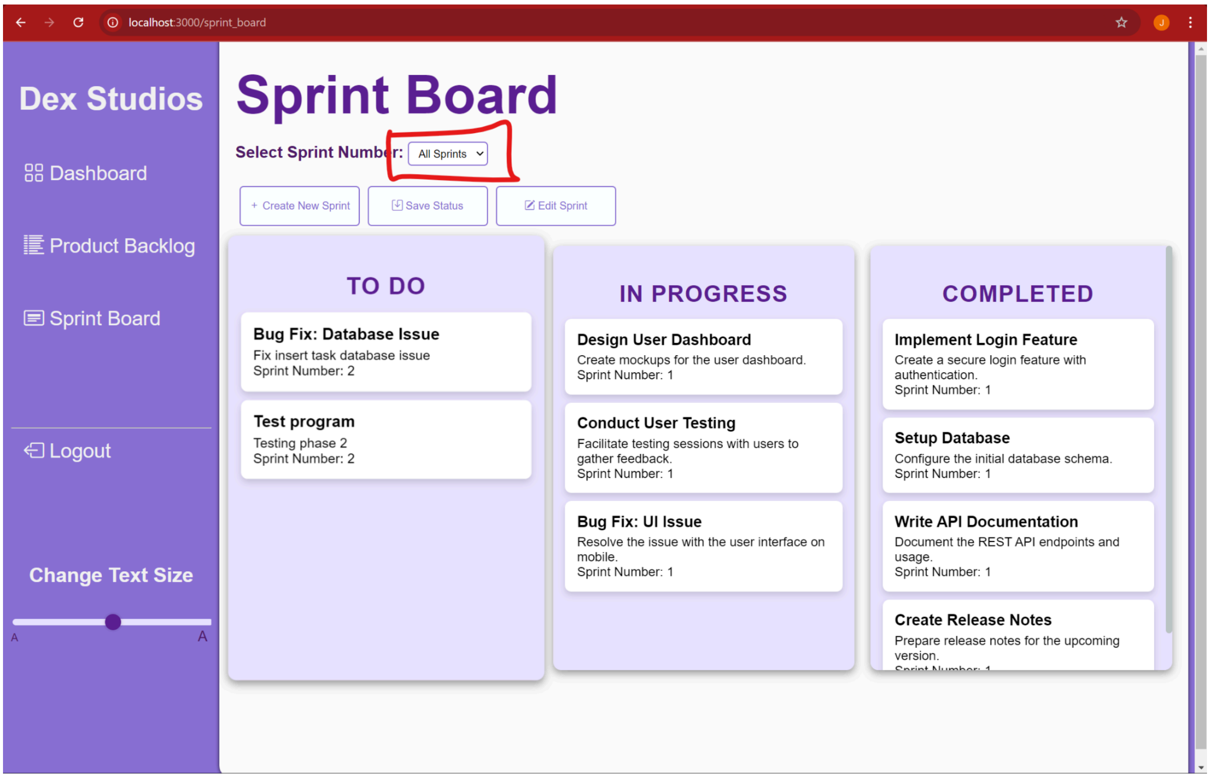


Upon doing so, you should be navigated to the “Change Login Details” page where you can enter your new details in the fields denoted (1). And once you have inputted your details, hit the update user button in order to confirm your changes (2). You should now be able to login with your new details.

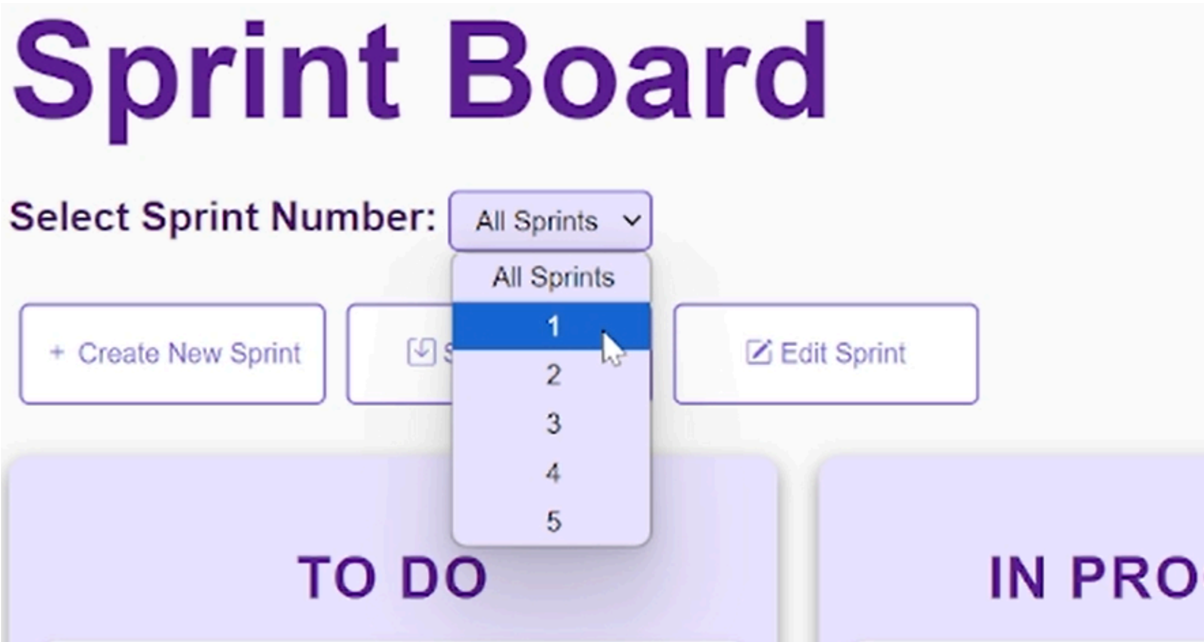


Burndown chart generation

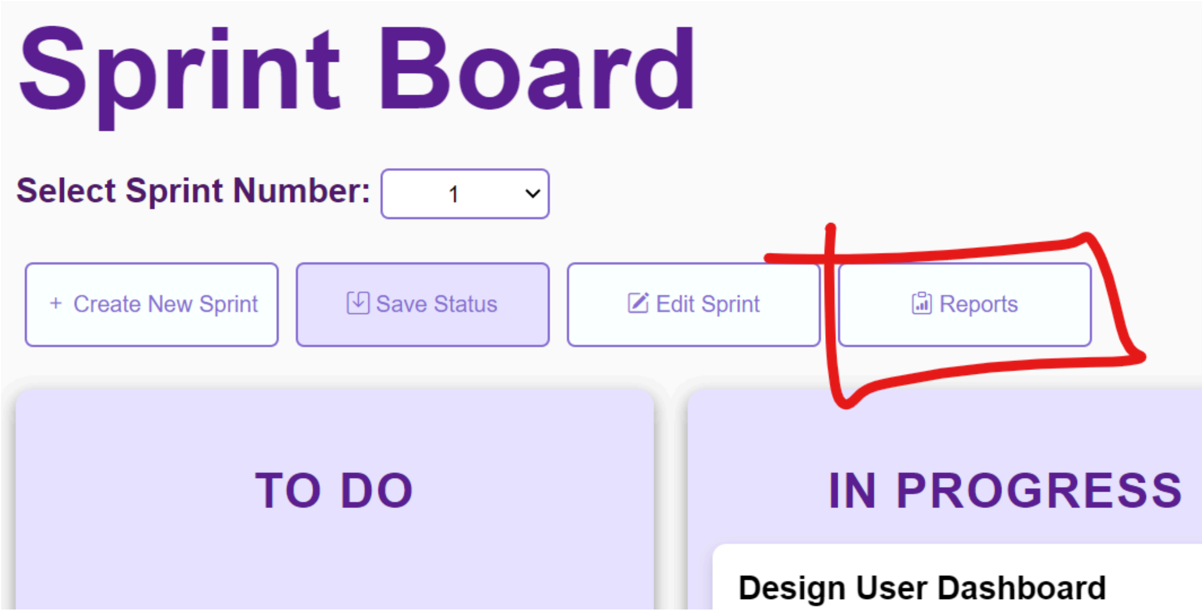
The burndown chart is a visual representation of the progress of a particular sprint. Hence, first navigate to the outlined box and select the sprint you wish to generate a burndown chart for.



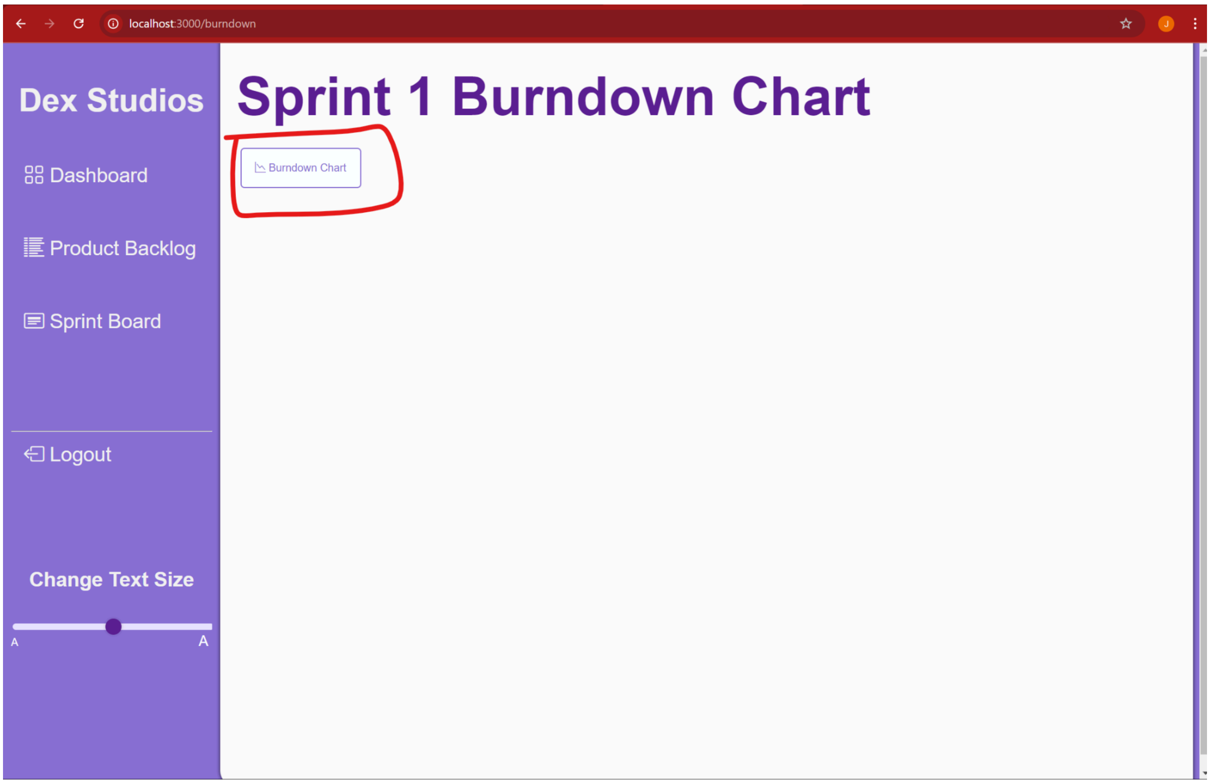
Select your desired sprint from the dropdown menu.



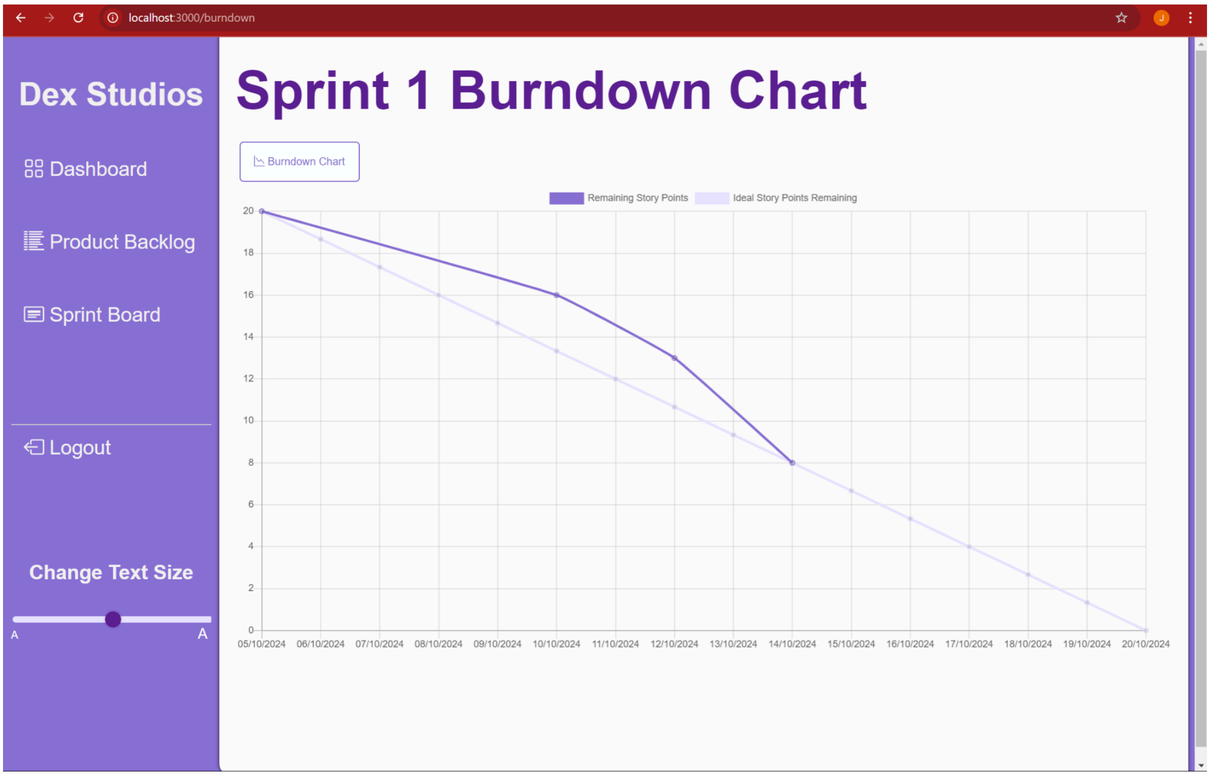
After selecting your sprint, a new button will appear and upon clicking it, will bring you to the burndown chart page.



From here, simply click on the burndown chart button.

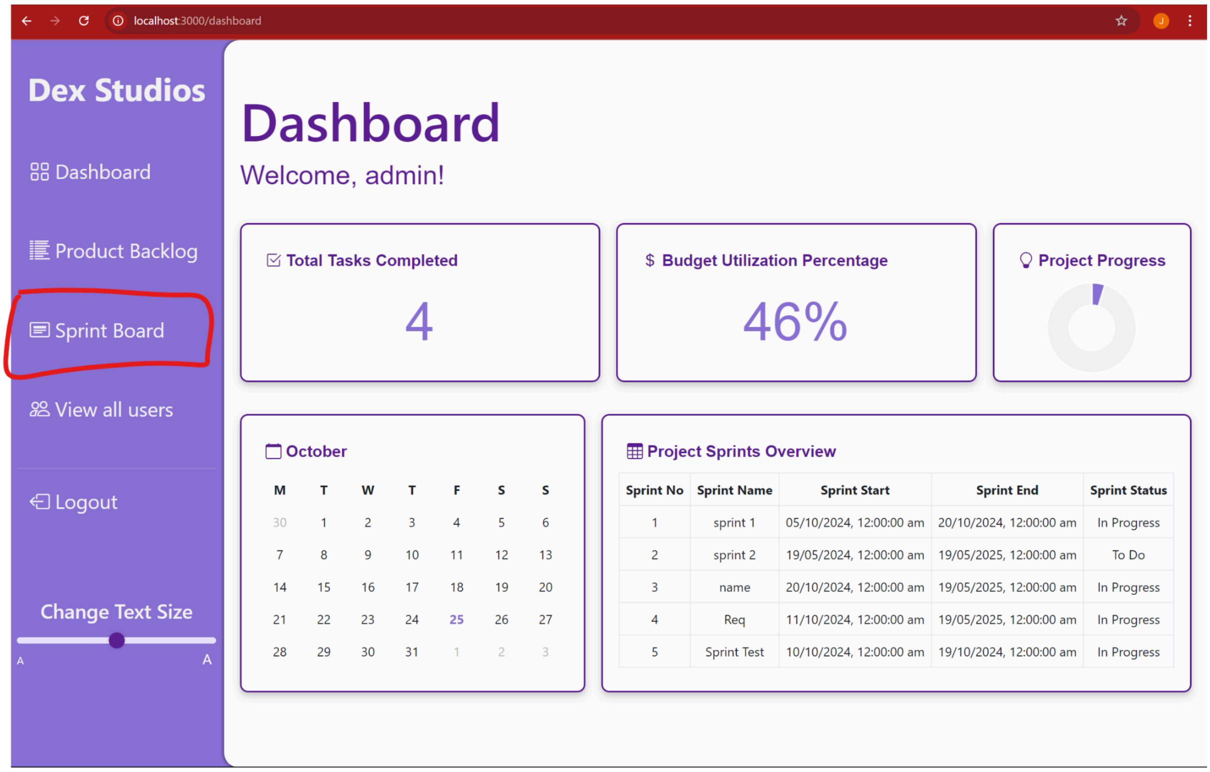


Now your burndown chart for the relevant sprint should be displayed to you.

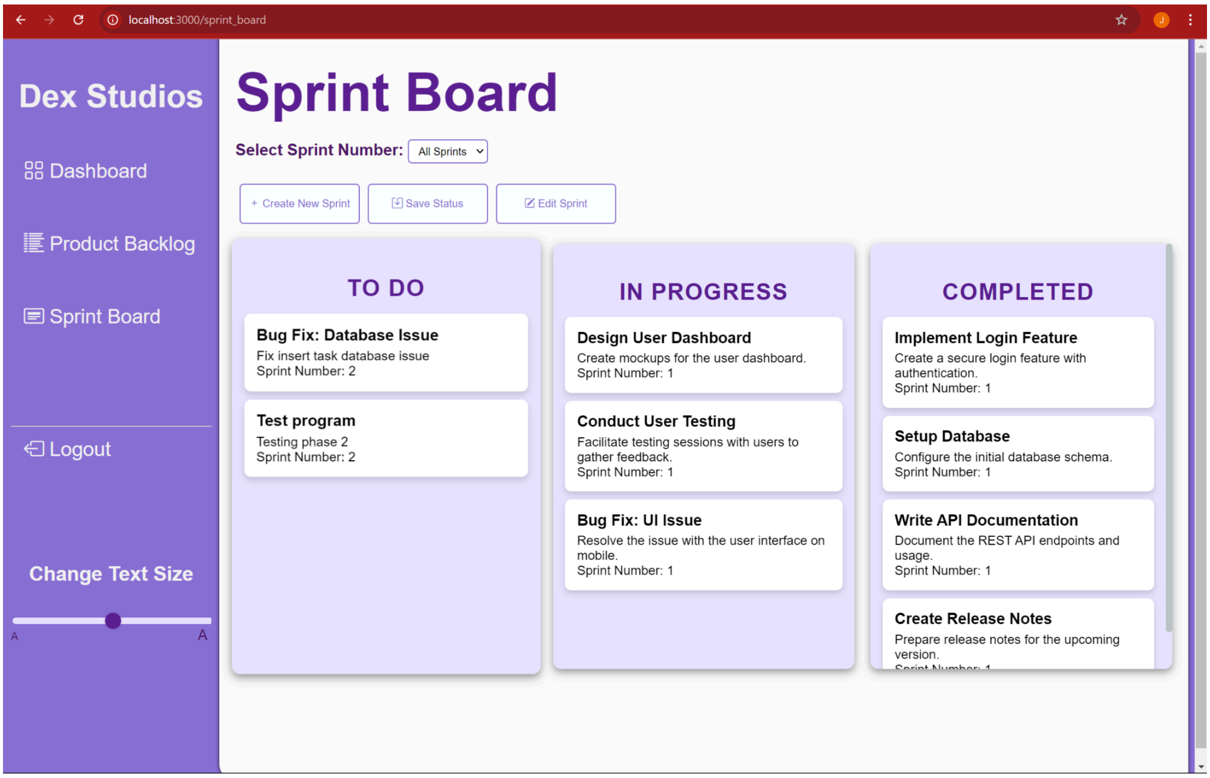


Navigation to sprint board

In order to navigate to the sprint board from the dashboard, locate and click the sprint board button within the side nav bar.



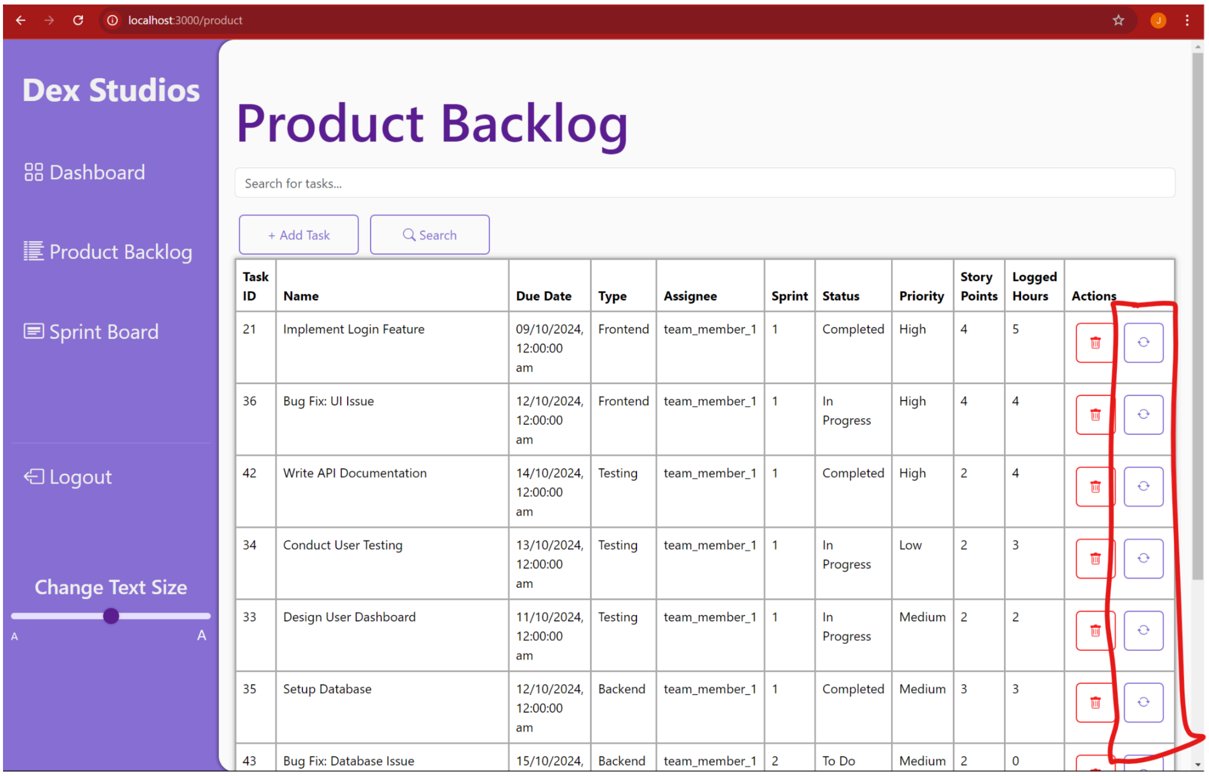
After such, you will be directed to the sprint board.



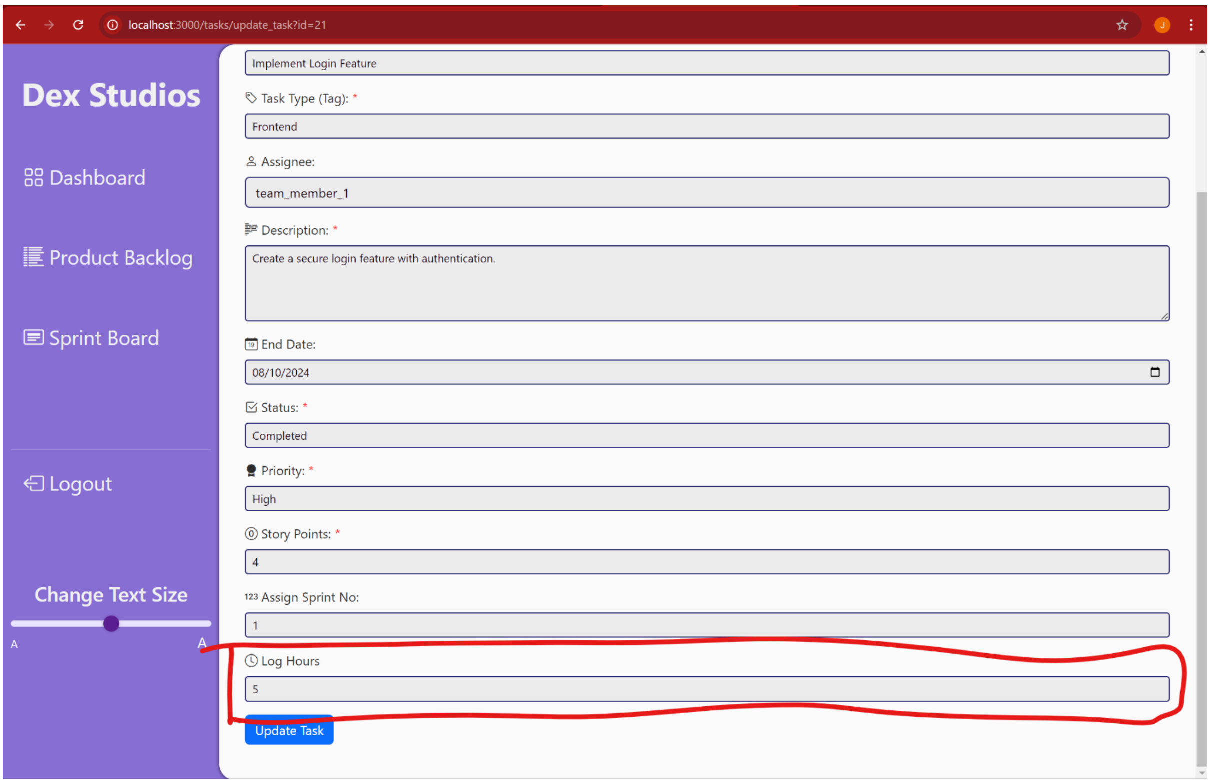
Logging hours for tasks

In order to log your hours on tasks you have worked on, first navigate to the product backlog page in order to view all tasks.

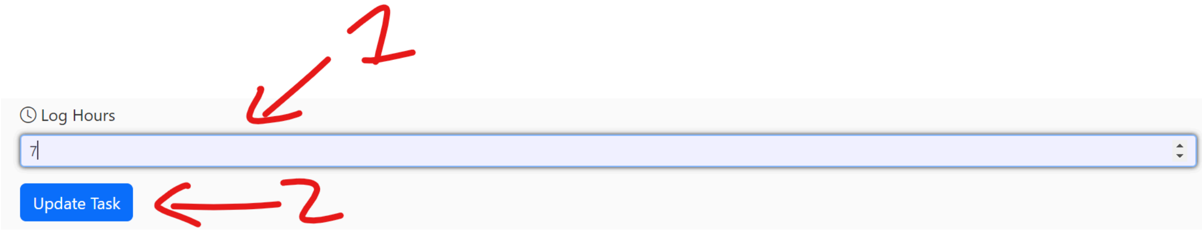
After navigating to the product backlog, select the update icon on the task you wish to log hours for.



After clicking on the update button, you will be taken to the “update tasks” page whereby upon scrolling down, you will be able to see the “log hours” field.

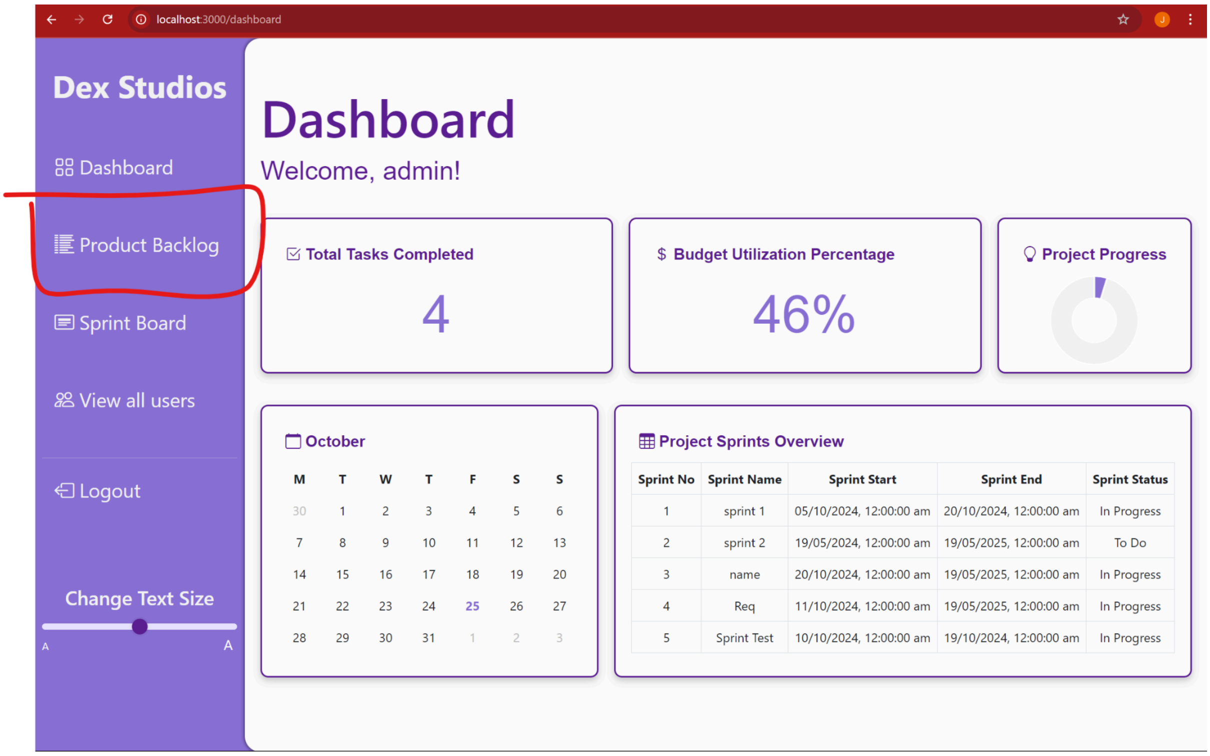


From here, either input the total amount of hours you have logged (1) and hit the “update task” button in order to save your changes (2).

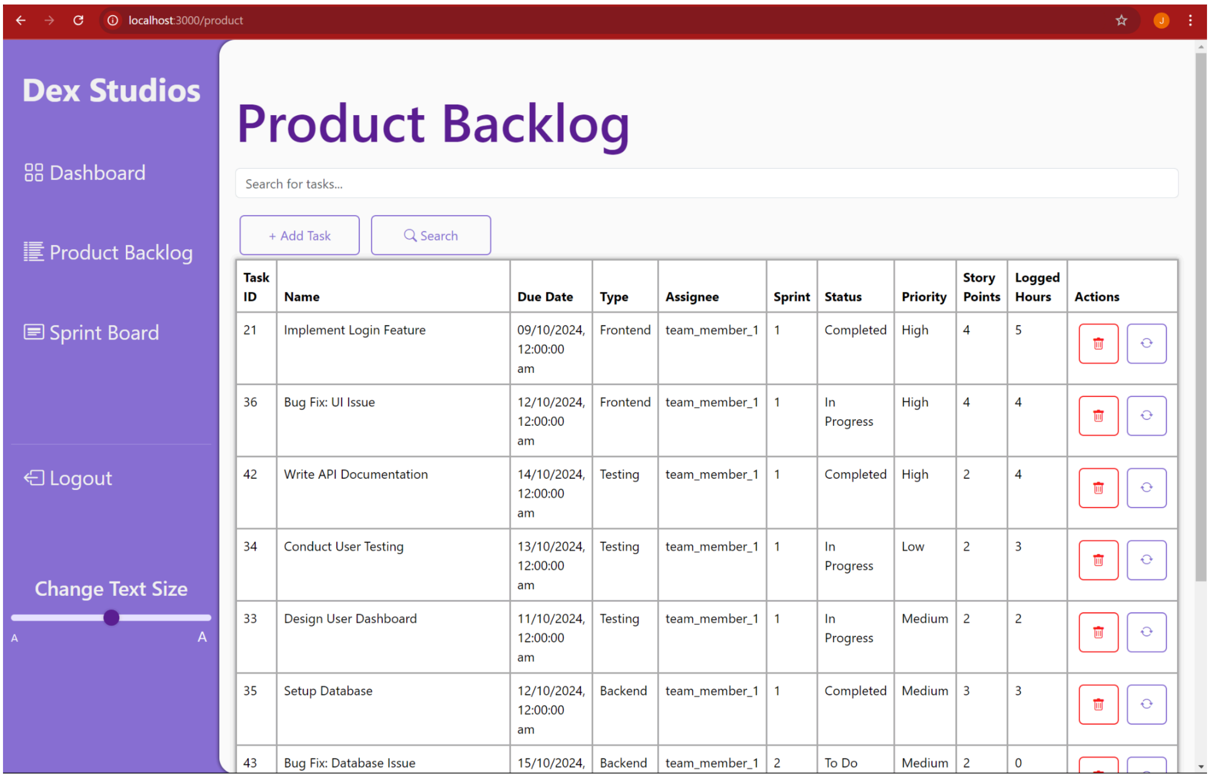


Navigating to product backlog

In order to navigate to the product backlog from the dashboard, find and click the button called “Product Backlog” on the side nav bar.



Doing so will take you to the product backlog page.


localhost:3000/product
Dex Studios
Dashboard
Product Backlog
Sprint Board
Logout
Change Text Size
A
A
Product Backlog
Search for tasks...
+ Add Task
Search
Task ID | Name | Due Date | Type | Assignee | Sprint | Status | Priority | Story Points | Logged Hours | Actions
21 | Implement Login Feature | 09/10/2024, 12:00:00 am | Frontend | team_member_1 | 1 | Completed | High | 4 | 5
36 | Bug Fix: UI Issue | 12/10/2024, 12:00:00 am | Frontend | team_member_1 | 1 | In Progress | High | 4 | 4
42 | Write API Documentation | 14/10/2024, 12:00:00 am | Testing | team_member_1 | 1 | Completed | High | 2 | 4
34 | Conduct User Testing | 13/10/2024, 12:00:00 am | Testing | team_member_1 | 1 | In Progress | Low | 2 | 3
33 | Design User Dashboard | 11/10/2024, 12:00:00 am | Testing | team_member_1 | 1 | In Progress | Medium | 2 | 2
35 | Setup Database | 12/10/2024, 12:00:00 am | Backend | team_member_1 | 1 | Completed | Medium | 3 | 3
43 | Bug Fix: Database Issue | 15/10/2024, | Backend | team_member_1 | 2 | To Do | Medium | 2 | 0