



CMPS 356 Project

HalaqaMetrash Web App

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Grading Rubric - In the Functionality column please specify either: *Working (completed x%), Not Working (completed x%) or Not done.*

Criteria	%	Functionality*	Quality of the implementation	Your Grade
Application Design Architecture Design, Classes Design and the UI Design to deliver HalaqaMetrash use cases. The design documentation should include at least the following: <ul style="list-style-type: none"> Class Diagram showing Entities, Repositories and Services and Controllers UI Design and navigation 	10%		Avoid plural in the name of entities. Repositories and Services and Controllers => done UI Design and navigation => ok	7
Complete and correct implementation of the requirements:	75%		Excellent work	75
<ul style="list-style-type: none"> Login 	7			
<ul style="list-style-type: none"> Student Registration (get, add, update, change enrolment status to inactive) 	15			
<ul style="list-style-type: none"> Get Tasks 	12		-	
<ul style="list-style-type: none"> Complete task 	8			
<ul style="list-style-type: none"> Delete task 	6			
<ul style="list-style-type: none"> Add Task 	10			
<ul style="list-style-type: none"> Update task 	6			
<ul style="list-style-type: none"> Get Messages 	8			
<ul style="list-style-type: none"> Post/Update/Delete Message 	10			

• Get Announcements	8			
• Post/Update/Delete Announcement	10			
Overall implementation quality	10%		Excellent work	9
Testing documentation with evidence of correct execution using snapshots illustrating the results of testing.	5%		Well done	5
Total	100		Outstanding submission	96
Bonus - successful deployment of the app to a cloud hosting service such as https://vercel.com/	5			
Copying and/or plagiarism or not being able to explain or answer questions about the implementation	- 100%			

* **Possible grading for functionality** - **Working** (get 70% of the assigned grade), **Not working** (lose 40% of assigned grade and **Not done** (get 0). The remaining grade is assigned to the quality of the implementation.

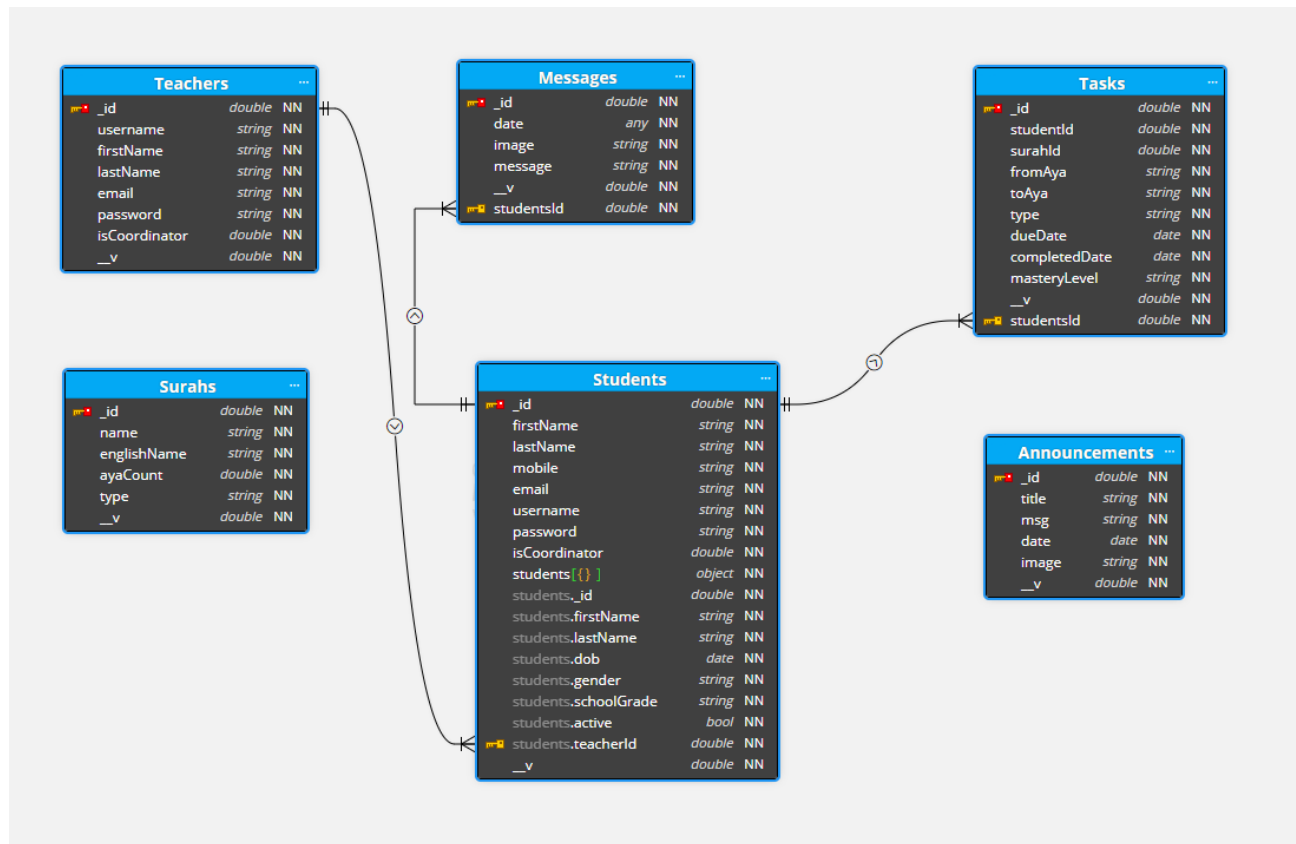
In case your implementation is not working then 40% of the grade will be lost and the remaining 60% will be determined based on of the code quality and how close your solution to the working implementation.

Solution quality also includes meaningful naming of identifiers (according to Android naming conventions), no redundant code, simple and efficient design, clean implementation without unnecessary files/code, use of comments where necessary, proper code formatting and indentation.

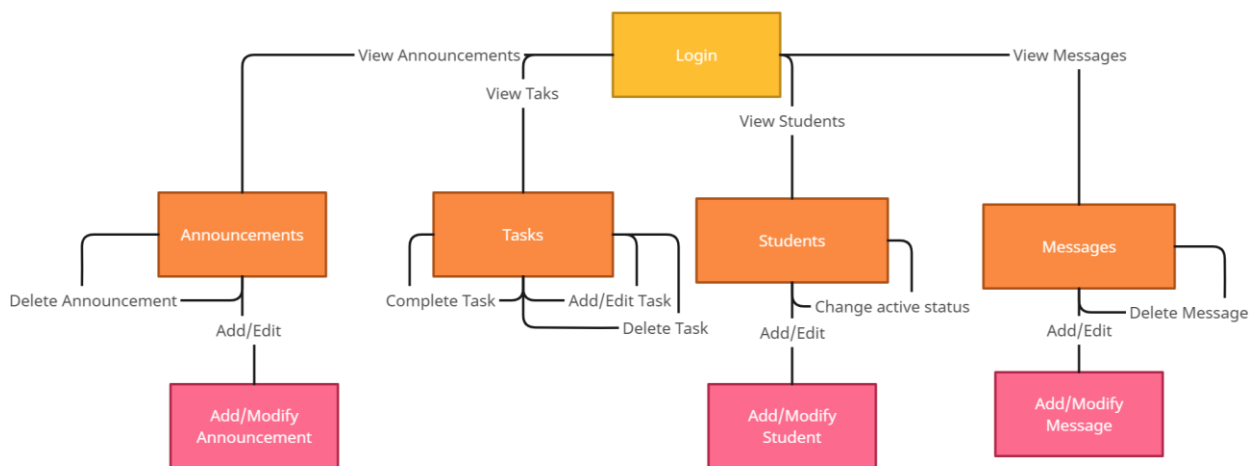
Marks will be reduced for code duplication, poor/inefficient coding practices, poor naming of identifiers, unclean/untidy submission, and **unnecessary complex/poor user interface design**.

1. Application Design

1.1. Class Diagram of Entities, Repositories and Services and Controllers

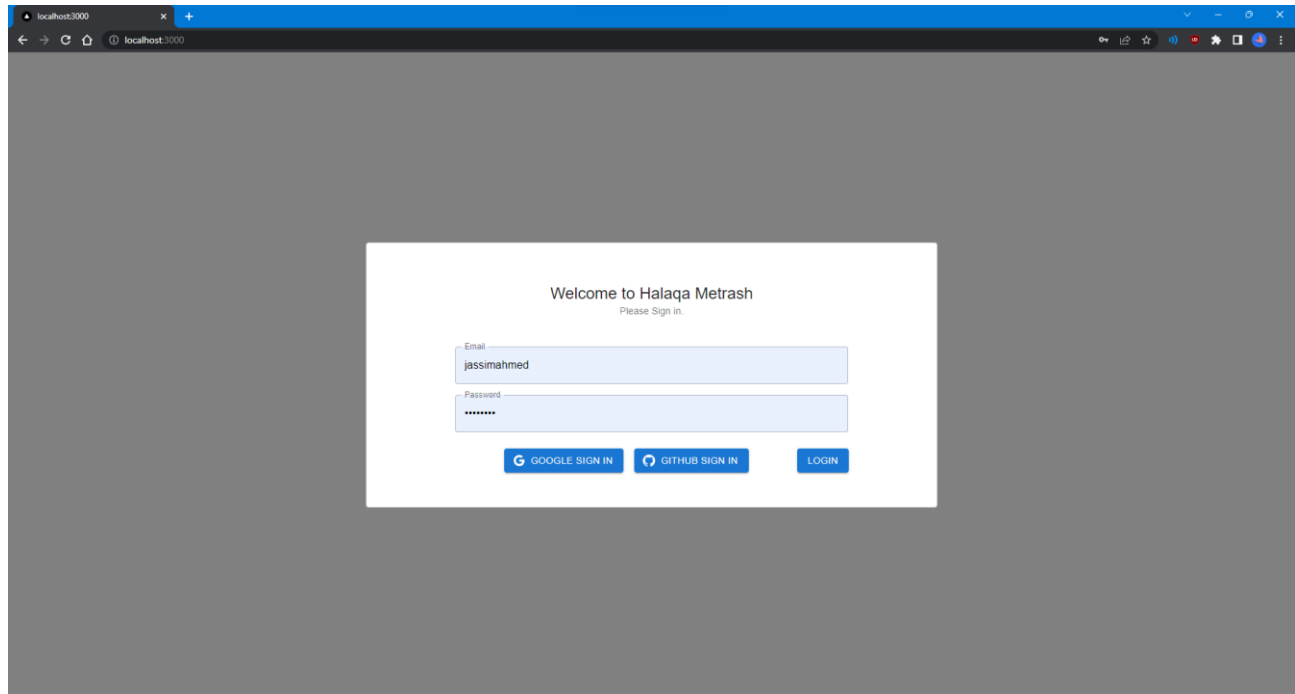


1.2. UI Navigation Diagram

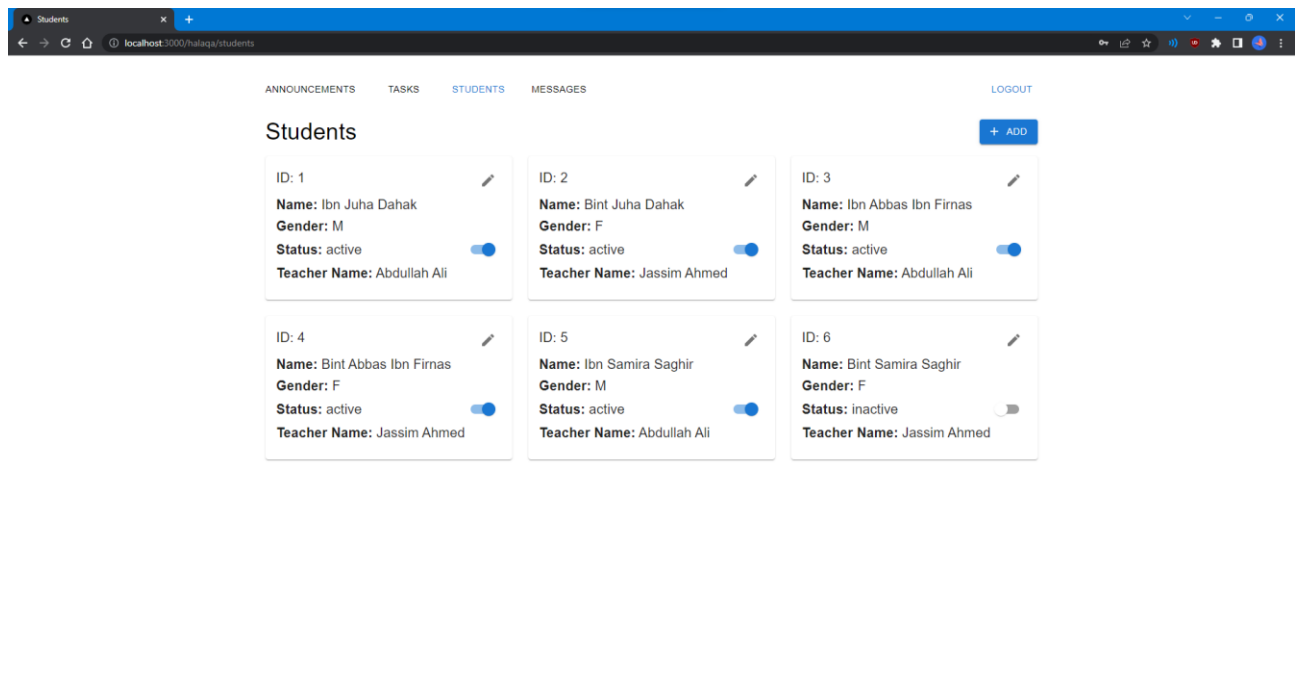


2. Testing

2.1. Login



2.2. Get Students



2.3. Add Student

localhost:3000/halaga/students/

ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

Add Student

Parent Exists ☐

Parent ID *
5

First Name *
New

Last Name *
Parent

Email *
parent@gmail.com

Password *
test123

Username *
newparent

Mobile *
83838383

Child Information

Child ID *
5555

First Name *
New

Last Name *
Child 1

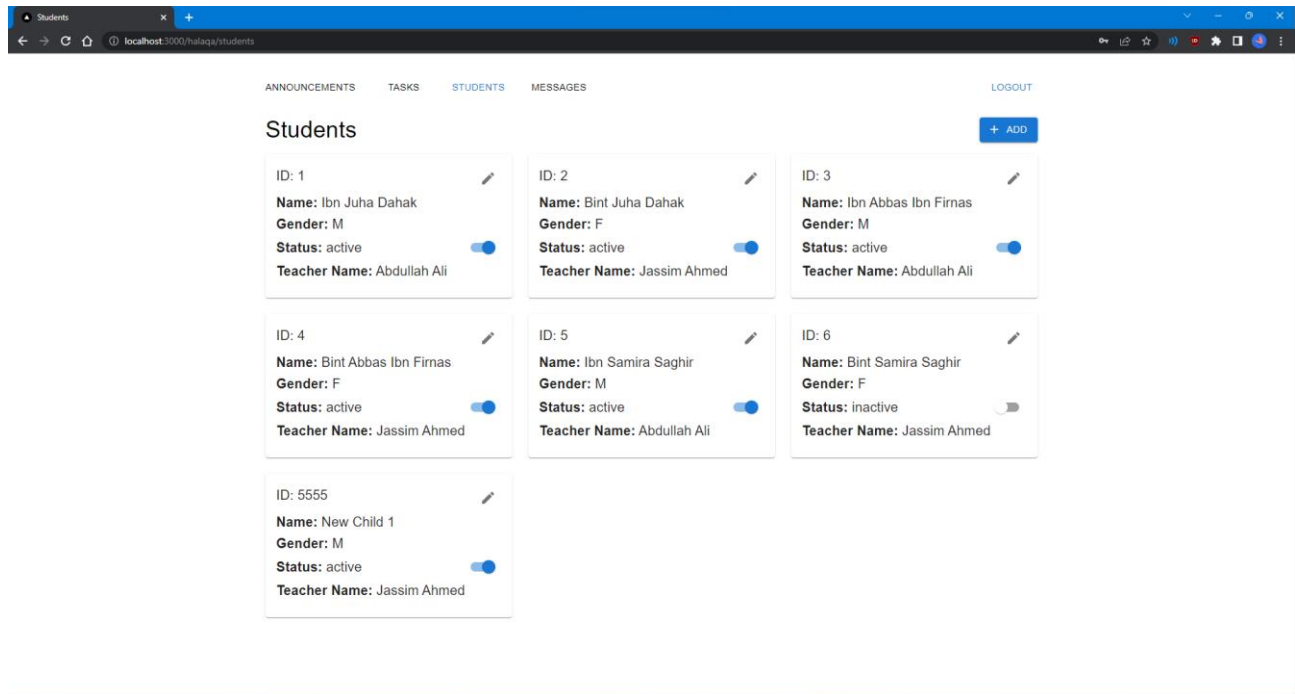
Date of Birth *
07/02/2019

Female ☐ Male ☒

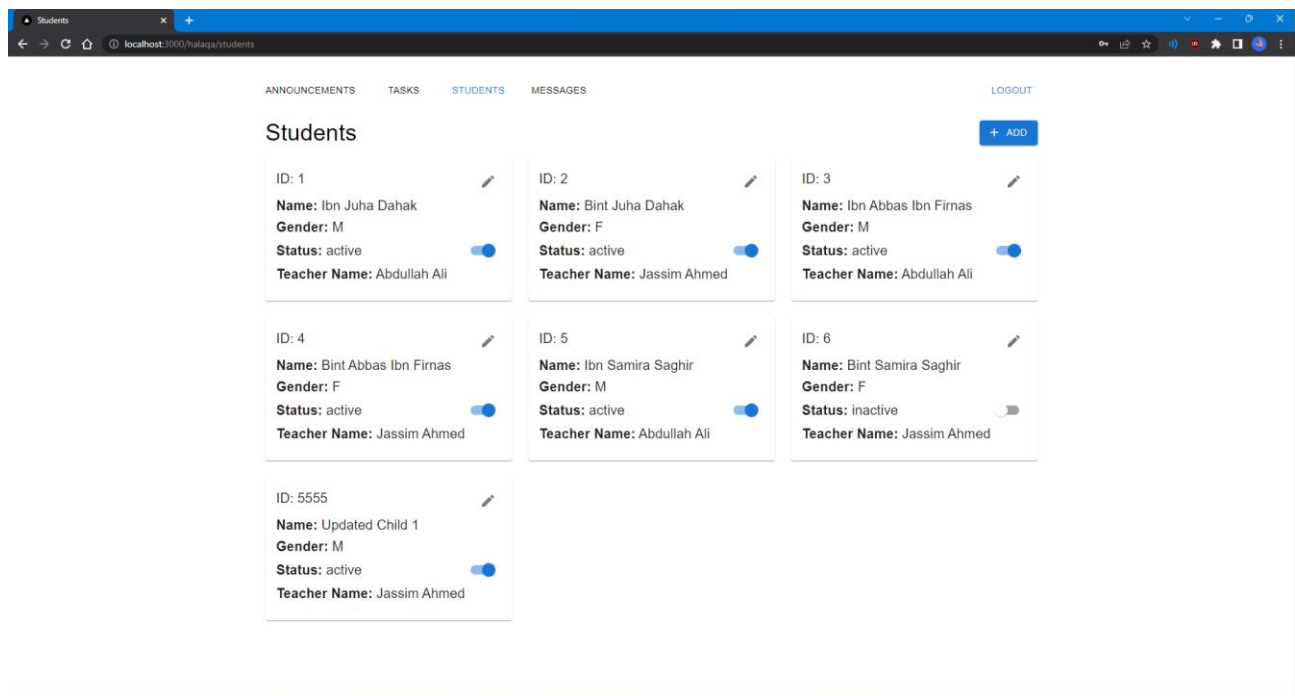
School Grade *
5

Teacher Name
Jassim Ahmed

SAVE



2.4. Update Student



2.5. Set Student Inactive

The screenshot shows a web application interface for managing students. The browser address bar indicates the URL is `localhost:3000/halqa/students`. The application has a navigation bar with links for `ANNOUNCEMENTS`, `TASKS`, `STUDENTS` (which is active), and `MESSAGES`. A `LOGOUT` link is also present in the top right corner. Below the navigation bar, the title `Students` is displayed, followed by a `+ ADD` button. The main content area contains a list of student cards. Each card displays the student's ID, name, gender, status (with a toggle switch), and teacher name. The status of the first five students is 'active', while the sixth student is 'inactive'. The seventh student, 'Updated Child 1', is also 'inactive'.

ID	Name	Gender	Status	Teacher Name
ID: 1	Ibn Juha Dahak	M	active	Abdullah Ali
ID: 2	Bint Juha Dahak	F	active	Jassim Ahmed
ID: 3	Ibn Abbas Ibn Firas	M	active	Abdullah Ali
ID: 4	Bint Abbas Ibn Firas	F	active	Jassim Ahmed
ID: 5	Ibn Samira Saghir	M	active	Abdullah Ali
ID: 6	Bint Samira Saghir	F	inactive	Jassim Ahmed
ID: 5555	Updated Child 1	M	inactive	Jassim Ahmed

2.7. Complete task

Tasks

localhost:3000/halaqa/tasks

ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

Complete Task

Task: 8

Mastery Level
Excellent

Comment
Amazing work!!

Completion Date
11/01/2023

CANCEL SUBMIT

Tasks

ADD TASK

☐ Show pending only

Task	Student	Type	Surah	Ayas	Due	Completed	Mastery Level	Comment	Actions
2	2	Revision	3	9 - 13	Mon Jan 04 2016	Thu Feb 04 2016	Ok	Ok work	✓ ✎ 🗑
4	4	Revision	5	11 - 15	Mon Jan 04 2016	Thu Feb 04 2016	Excellent	Excellent work	✓ ✎ 🗑
6	6	Revision	7	13 - 17	Mon Jan 04 2016	Thu Feb 04 2016	Poor	Poor work	✓ ✎ 🗑
8	2	Revision	3	14 - 18	Fri Mar 04 2016	Wed Jan 11 2023	Excellent	Amazing work!!	✓ ✎ 🗑
10	4	Revision	5	16 - 20	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
12	6	Revision	7	18 - 22	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
13	2	Revision	10	9 - 19	Wed Jan 11 2023	-	-	-	✓ ✎ 🗑

2.8. Delete task

Tasks

☐ Show pending only

Task	Student	Type	Surah	Ayas	Due	Completed	Mastery Level	Comment	Actions
2	2	Revision	3	9 - 13	Mon Jan 04 2016	Thu Feb 04 2016	Ok	Ok work	✓ ✎ 🗑
4	4	Revision	5	11 - 15	Mon Jan 04 2016	Thu Feb 04 2016	Excellent	Excellent work	✓ ✎ 🗑
6	6	Revision	7	13 - 17	Mon Jan 04 2016	Thu Feb 04 2016	Poor	Poor work	✓ ✎ 🗑
8	2	Revision	3	14 - 18	Fri Mar 04 2016	Wed Jan 11 2023	Excellent	Amazing work!!	✓ ✎ 🗑
10	4	Revision	5	16 - 20	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
12	6	Revision	7	18 - 22	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
13	2	Revision	10	9 - 19	Wed Jan 11 2023	-	-	-	✓ ✎ 🗑

Tasks

☐ Show pending only

Task	Student	Type	Surah	Ayas	Due	Completed	Mastery Level	Comment	Actions
2	2	Revision	3	9 - 13	Mon Jan 04 2016	Thu Feb 04 2016	Ok	Ok work	✓ ✎ 🗑
4	4	Revision	5	11 - 15	Mon Jan 04 2016	Thu Feb 04 2016	Excellent	Excellent work	✓ ✎ 🗑
6	6	Revision	7	13 - 17	Mon Jan 04 2016	Thu Feb 04 2016	Poor	Poor work	✓ ✎ 🗑
8	2	Revision	3	14 - 18	Fri Mar 04 2016	Wed Jan 11 2023	Excellent	Amazing work!!	✓ ✎ 🗑
10	4	Revision	5	16 - 20	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
12	6	Revision	7	18 - 22	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑

2.9. Add Task

The screenshot shows a web browser window with the URL `localhost:3000/halaqa/tasks`. The page has a navigation bar with links for `ANNOUNCEMENTS`, `TASKS` (active), `STUDENTS`, and `MESSAGES`, along with a `LOGOUT` link. The main heading is `Add Task`. The form contains the following fields:

- `Student`: A dropdown menu with `Bint Abbas Ibn Fimas` selected.
- `Surah`: A dropdown menu with `Al-Fatiha - الفاتحة` selected.
- `Aya Range`: A range slider set from the beginning to the end of the surah.
- `Task Type`: Two radio buttons, `Memorization` and `Revision` (selected).
- `Due Date *`: A date input field showing `12/01/2023` with a calendar icon.

At the bottom right of the form are two buttons: `CANCEL` (red) and `SUBMIT` (blue).

The screenshot shows the `Tasks` page in the same web application. It includes the same navigation bar. The heading is `Tasks`, and there is an `ADD TASK` button. A checkbox labeled `Show pending only` is present. Below is a table listing tasks:

Task	Student	Type	Surah	Ayas	Due	Completed	Mastery Level	Comment	Actions
2	2	Revision	3	9 - 13	Mon Jan 04 2016	Thu Feb 04 2016	Ok	Ok work	✓ ✎ 🗑
4	4	Revision	5	11 - 15	Mon Jan 04 2016	Thu Feb 04 2016	Excellent	Excellent work	✓ ✎ 🗑
6	6	Revision	7	13 - 17	Mon Jan 04 2016	Thu Feb 04 2016	Poor	Poor work	✓ ✎ 🗑
8	2	Revision	3	14 - 18	Fri Mar 04 2016	Wed Jan 11 2023	Excellent	Amazing work!!	✓ ✎ 🗑
10	4	Revision	5	16 - 20	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
12	6	Revision	7	18 - 22	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
13	4	Revision	1	1 - 7	Thu Jan 12 2023	-	-	-	✓ ✎ 🗑

2.10. Update task

Tasks

localhost:3000/halaqa/tasks

ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

Edit Task

Student

Bint Abbas Ibn Fimas

Surah

Al-Fatiha - الفاتحة

Aya Range

Task Type

☒ Memorization ☐ Revision

Due Date *

13/01/2023

CANCEL

SUBMIT

Tasks

localhost:3000/halaqa/tasks

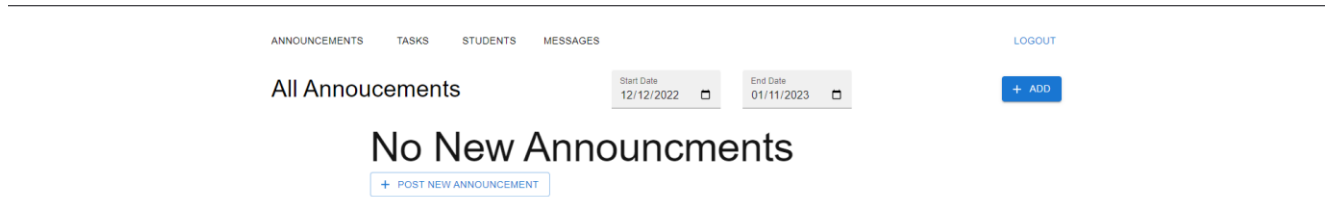
ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

ADD TASK

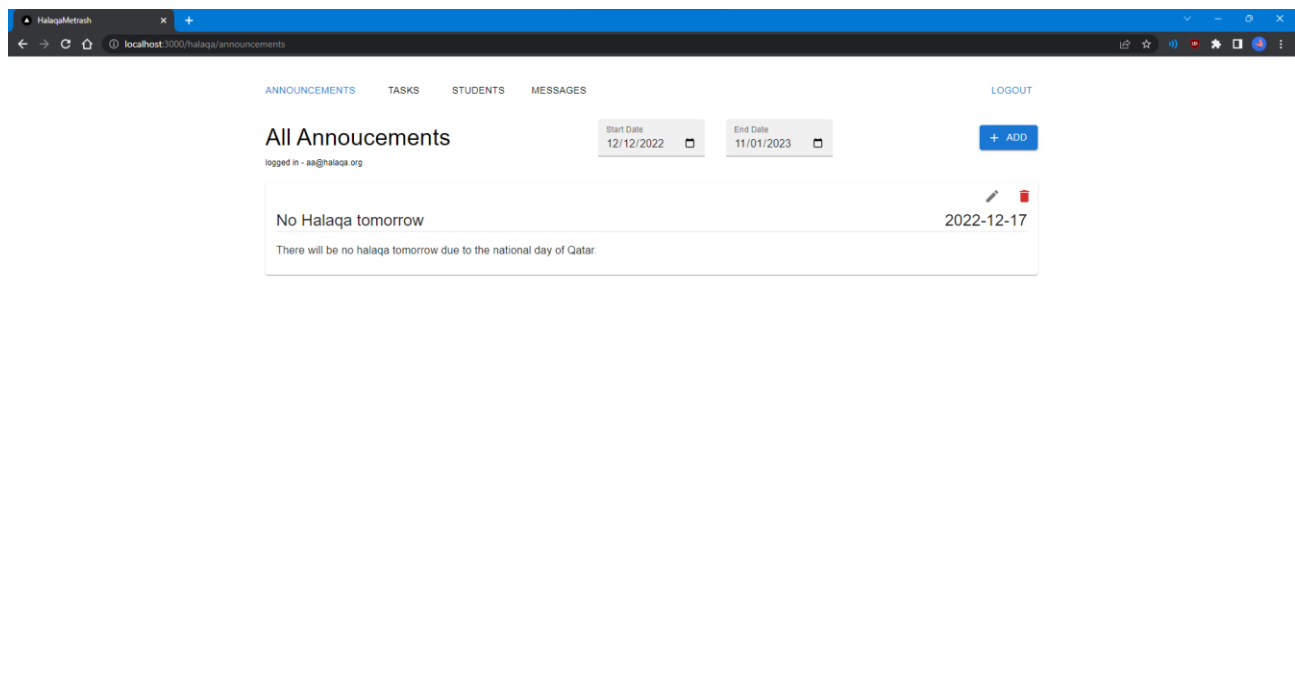
☐ Show pending only

Task	Student	Type	Surah	Ayas	Due	Completed	Mastery Level	Comment	Actions
2	2	Revision	3	9 - 13	Mon Jan 04 2016	Thu Feb 04 2016	Ok	Ok work	✓ ✎ 🗑
4	4	Revision	5	11 - 15	Mon Jan 04 2016	Thu Feb 04 2016	Excellent	Excellent work	✓ ✎ 🗑
6	6	Revision	7	13 - 17	Mon Jan 04 2016	Thu Feb 04 2016	Poor	Poor work	✓ ✎ 🗑
8	2	Revision	3	14 - 18	Fri Mar 04 2016	Wed Jan 11 2023	Excellent	Amazing work!!	✓ ✎ 🗑
10	4	Revision	5	16 - 20	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
12	6	Revision	7	18 - 22	Fri Mar 04 2016	-	-	-	✓ ✎ 🗑
13	4	Memorization	1	1 - 7	Fri Jan 13 2023	-	-	-	✓ ✎ 🗑

2.11. Get Announcements



2.12. Announcements



2.13. Add Announcements

Add Announcement


Title *	Date
<input type="text" value="Vacation Tomorrow"/>	<input type="text" value="2023-01-11"/>

Message

Message Content *

Image

No file chosen



2.14. Update Announcements


Edit Announcement

Title Required
Vacation Today

Date
2023-01-11T00:00:00.000Z

Message
Message Content *
Tomorrow Vacation 231

Image
Choose File No file chosen



[CANCEL](#) [SUBMIT](#)

ANNOUNCEMENTS TASKS STUDENTS MESSAGES

[LOGOUT](#)

All Announcements

Start Date
12/12/2022


End Date
01/11/2023

[+ ADD](#)

Vacation Today

2023-01-11

Tomorrow Vacation 231



2.15. Delete Announcements

ANNOUNCEMENTS

TASKS

STUDENTS

MESSAGES

LOGOUT

All Announcements

Start Date

12/12/2022

End Date


01/11/2023

+ ADD

Vacation Today

2023-01-11

Tomorrow Vacation 231



ANNOUNCEMENTS

TASKS

STUDENTS

MESSAGES

LOGOUT

All Announcements

Start Date

12/12/2022

End Date

01/11/2023

+ ADD

No New Announcements

+ POST NEW ANNOUNCEMENT

2.16. Get Message

ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

Student
Ibn Juha Dahak
Ibn Juha Dahak
Bint Juha Dahak
Ibn Abbas Ibn Fimas
Bint Abbas Ibn Fimas
Ibn Samira Saghir
Bint Samira Saghir
a a


Start Date
12/12/2022

End Date
01/11/2023

+ ADD

S

2023-01-10



ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

Student
Ibn Juha Dahak


Start Date
12/12/2022

End Date
01/11/2023

All Messages + ADD

Ibn Juha Dahak
InsanAmeen

2023-01-10



2.17. Add Message


ANNOUNCEMENTS

Student
Ibn Juha Dahak

All Messages

Ibn Juha Dahak

InsanAmeen




Add Message

Student
Ibn Juha Dahak

Message Date
2023-01-11

Image
 category repository.png
Image size must be less than 500 KB



Message Content*
Hello and Welcome

LOGOUT







ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

Student
Ibn Juha Dahak

Start Date
12/12/2022

End Date
01/12/2023

All Messages

Ibn Juha Dahak	2023-01-10	InsanAmeen		 
Ibn Juha Dahak	2023-01-11	Hello and Welcome		 

2.18. Update Message

The screenshot shows a modal window titled "Edit Message" overlaid on a blurred background of the application interface. The modal contains the following elements:

- A dropdown menu for "Student" with "Ibn Juha Dahak" selected.
- A "Message Date" field showing "2023-01-11".
- An "Image" upload section with a "Choose File" button, the text "No file chosen", and a note "Image size must be less than 500 KB".
- A preview of the message content, which includes a screenshot of a code editor.
- A "Message Content" text area containing the text "Hello and Welcome to Project".
- A blue "SAVE" button at the bottom.

ANNOUNCEMENTS TASKS STUDENTS MESSAGES LOGOUT

Student
Ibn Juha Dahak

Start Date 12/12/2022 End Date 01/12/2023

All Messages + ADD

Ibn Juha Dahak	2023-01-10	InsanAmeen	
Ibn Juha Dahak	2023-01-11	Hello and Welcome to Project	

2.19. Delete Message

[ANNOUNCEMENTS](#) [TASKS](#) [STUDENTS](#) [MESSAGES](#) [LOGOUT](#)

Student

Ibn Juha Dahak

Start Date
12/12/2022


End Date
01/12/2023

All Messages [+ ADD](#)

Ibn Juha Dahak

2023-01-10


InsanAmeen



Ibn Juha Dahak

2023-01-11

Hello and Welcome to Project



[ANNOUNCEMENTS](#) [TASKS](#) [STUDENTS](#) [MESSAGES](#) [LOGOUT](#)

Student

Ibn Juha Dahak

Start Date
12/12/2022

End Date
01/12/2023

All Messages [+ ADD](#)

Ibn Juha Dahak

2023-01-11

Hello and Welcome to Project

