

INFO 3305

WEB APPLICATION DEVELOPMENT

SEMESTER 2, 2022/2023

SECTION 2

LECTURER:

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ABOUT :

No	Task	Page
1.0	Title of the project	
2.0	Introduction of the proposed web application.	
3.0	The objective of the proposed web application.	
4.0	Features and functionalities of the proposed web application.	
5.0	Include ERD for your database tables with relationships.	
6.0	A sequence diagram to represent the interaction of the proposed web application	
7.0	Mockup	

1. Title of the project

- Steadfast Club organisation

2. Introduction of the proposed web application.

Our group project was to develop a web application for one club named “**STEADFAST**” based on IIUM and the club's nature in **Facilitating**. The club basically provides a facilitator to the school that calls for facilitator services, the club will provide a facilitator with the module suitable for the school with the theme the school wants. There are 2 parts in the steadfast which are internal and external, internal will handle more bonding and the program, and between the members only meanwhile for the external, the program like “**Schoject**” which is a school project is carried out.

3. The objective of the proposed web application.

- To promote the club outside through the website
- To show the club's activities and what they provide to the community
- Recruitment, news, achievement, and information regarding the club.

4. Features and functionalities of the proposed web application.

- News section:**

- A dedicated area to showcase the latest news update and announcements relevant to the Steadfast Club. It may include news with a brief description and publication dates.

- Event section**

- provide information about upcoming events, activities and workshops. It may include details such as event titles, dates, locations, agenda, speaker, registration information, links, or Qr.

- Module section**

- The section where the users can watch the example of the theme and module that we play during our program at school. This may include the details of how we play and how the instruction in the module.

-

- **Achievement Section**

-Section that highlights notable achievements, milestones, awards or recognition received by the organizations. It may include the description of achievement, dates, photos or testimonials.

- **Recruitment section**

-The section is dedicated to a student who wants to become a member of our club to register their information. The information may include full name, matric number, email, kulliyah, year of study and the biro that they want to enter and the reason why they want to enter the steadfast.

- **Home Page**

-The main landing page of the website that provides the overview or introduction to the site's purpose, features and key content.

- **Contact us**

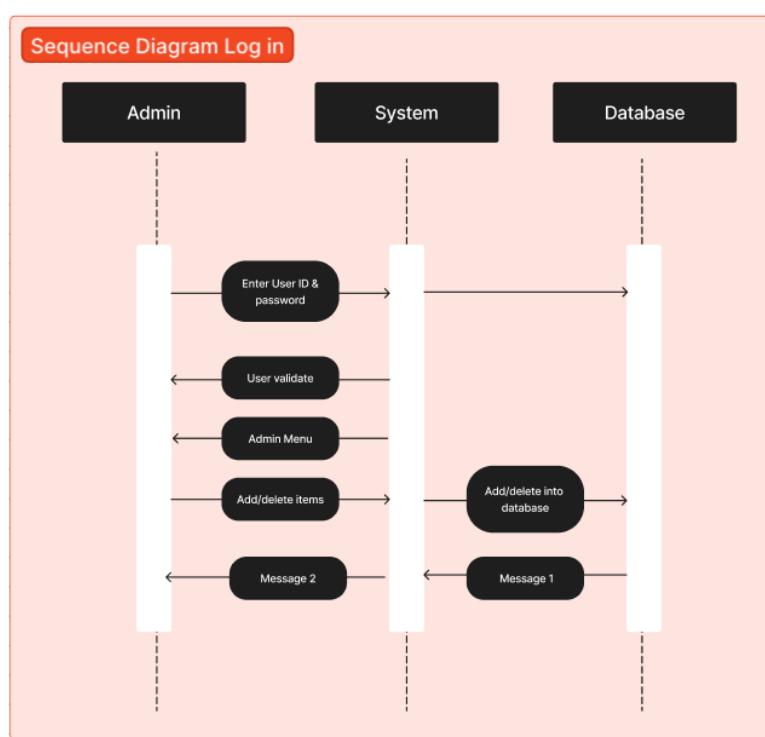
-A page section that provides information about the club information such as email, contact number of related persons and some of the locations where the club is based.

- **Responsive Design**

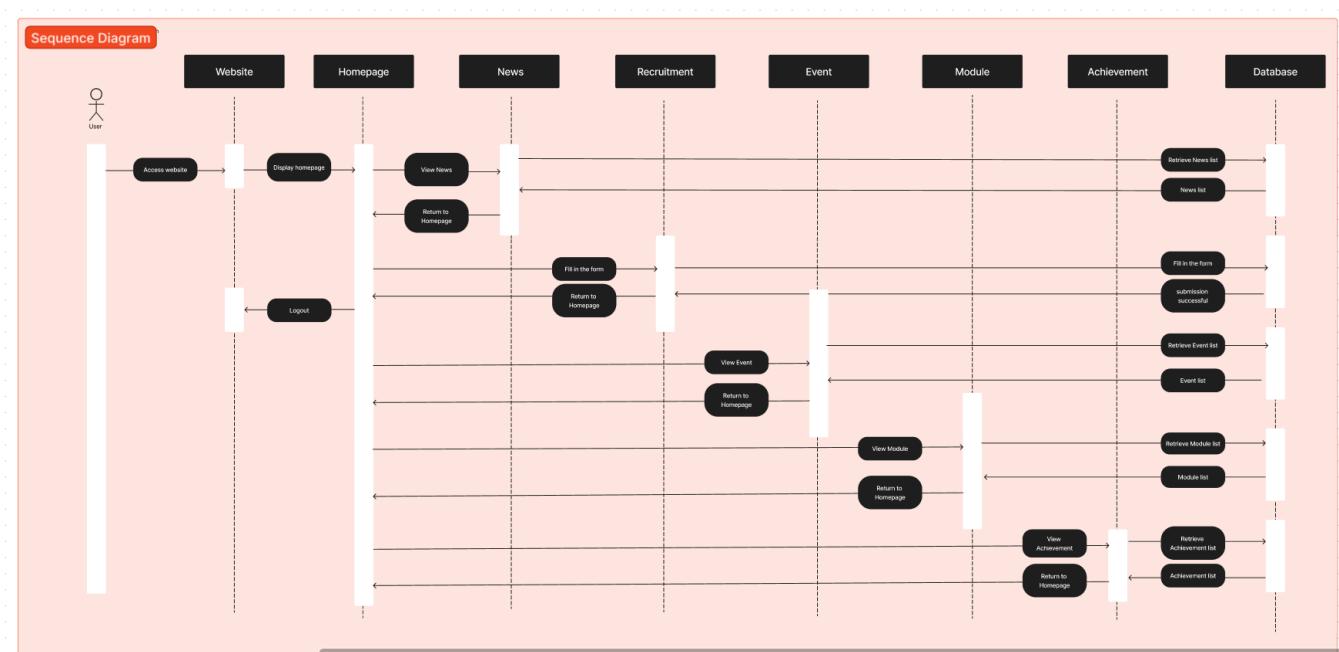
-Ensuring that the website is optimized to be accessible and user-friendly across different devices, including desktop computers, tablets and mobile phones.

5. A sequence diagram to represent the interaction of the proposed web application

1. Sequence Diagram for Admin,

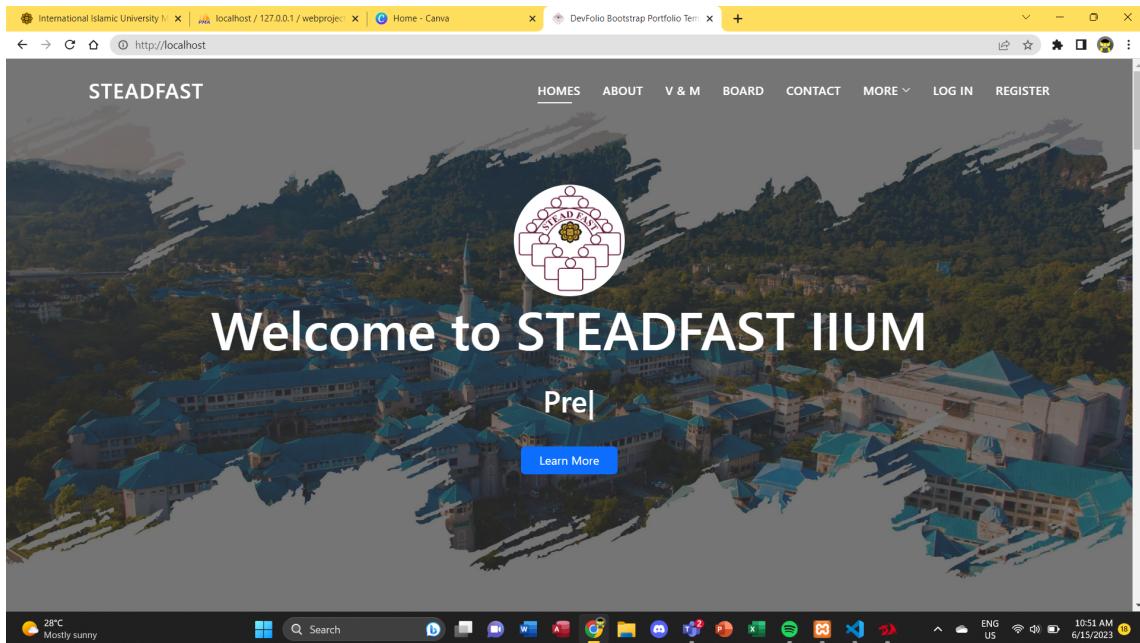


2. Website Sequence Diagram

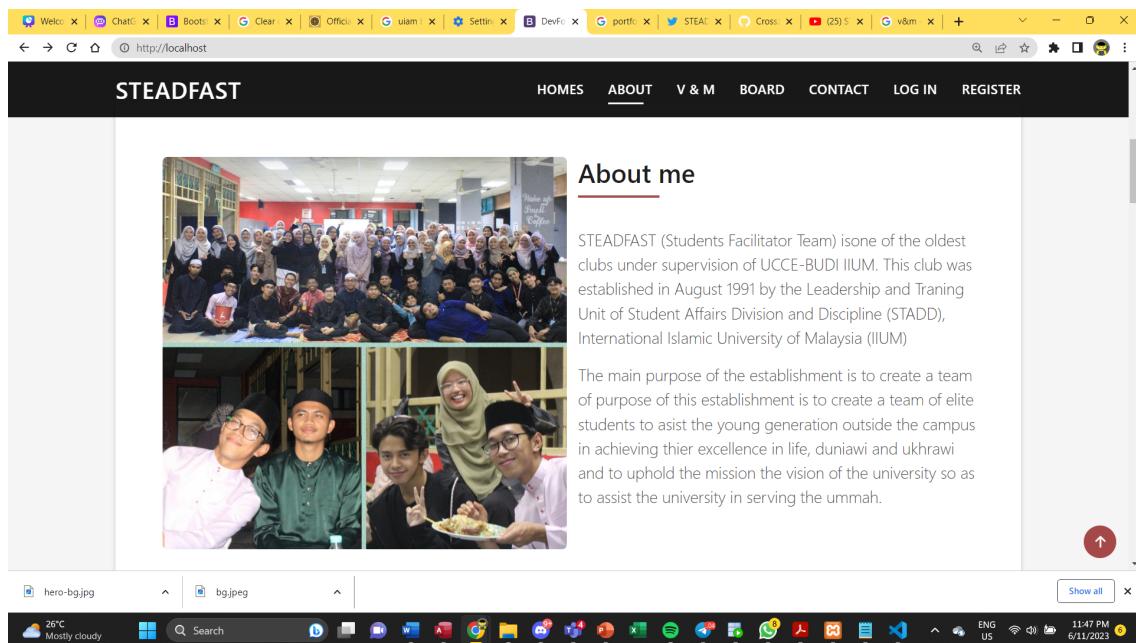


7. Screenshot and explanation.

1. Homepage



This is our homepage, where all the buttons to the About, V&M, Board, Contact, and module, log in



About me show and explain what is Steadfast in general

The screenshot shows a browser window with multiple tabs open at the top. The main content area displays the 'VISION & MISSION' section of the STEADFAST website. It features two circular icons: one with a person icon labeled 'VISION' and another with a document icon labeled 'MISSION'. Below each icon is a brief description of its purpose.

VISION

To create the group of dai'e,
To facilitate the mad'u,
To provide human training,
To provide to IIUM community entirely

MISSION

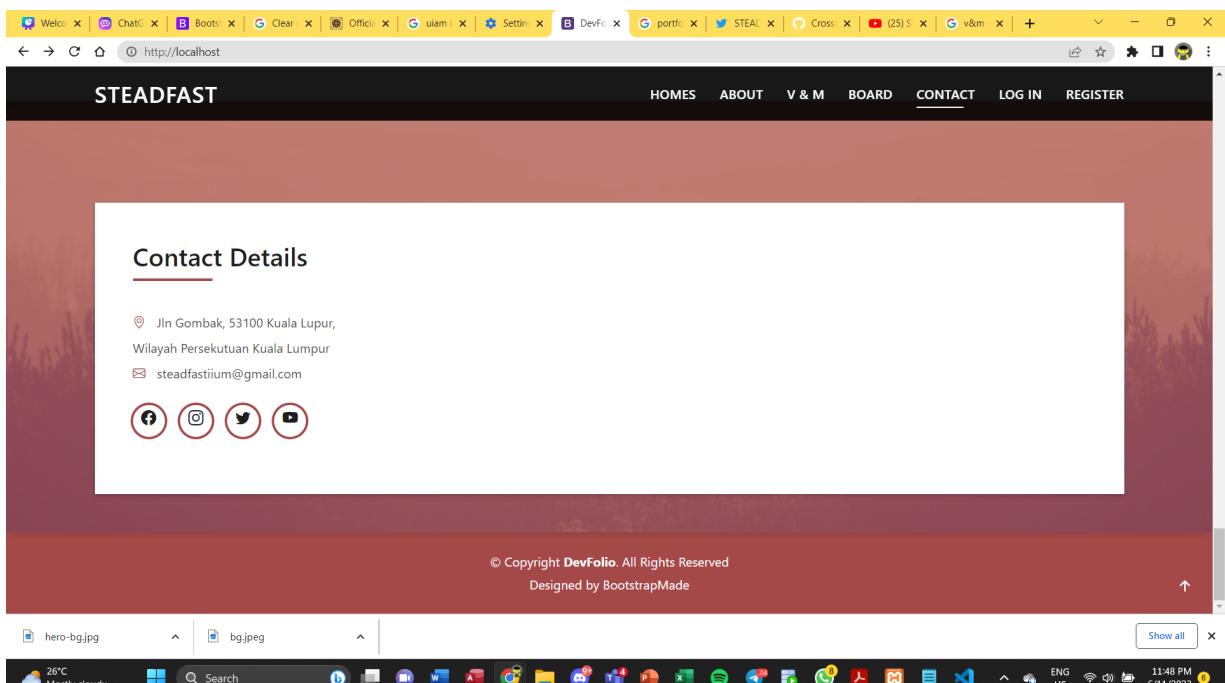
To achieve integration, islamization,
competence, comprehensive excellence,
ambition and professionalism.

Vision and mission explain what is V&M steadfast

The screenshot shows a browser window displaying the 'MANAGEMENT BOARD' section of the STEADFAST website. The page features a large banner for 'MB EXCO STEADFAST IIUM 2022/2023' with the theme 'LUMINOUS'. Below the banner is a group photo of the management board members in formal attire.

MB EXCO STEADFAST IIUM 2022/2023
STUDENT FACILITATOR TEAMS
LUMINOUS

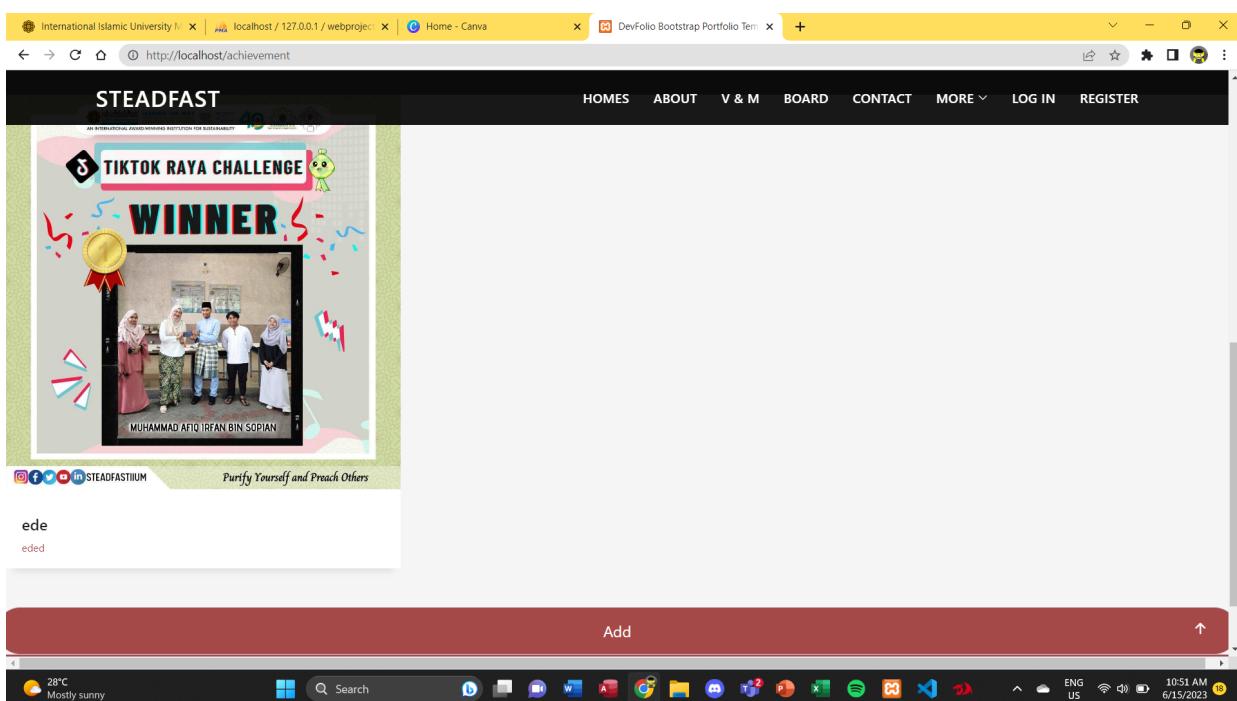
The board is where the latest Exco of steadfast will be shown there.



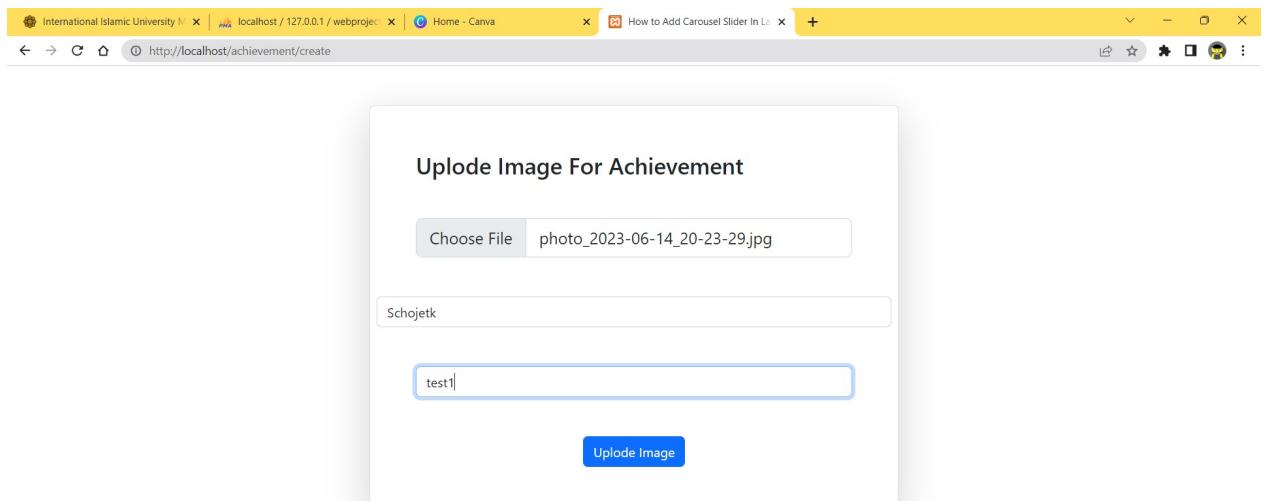
Contact is where all the contact to the steadfast club such as Whatapps, email and many more to contact steadfast.

2. Module

1. Achievement



This is the achievement page for the steadfast club, when you want to add more achievements you can click the add button



To add the achievement poster, title and description, when you click the upload button it will show like below

A screenshot of a website for "STEADFAST" featuring two achievement cards. The first card, titled "TIKTOK RAYA CHALLENGE WINNER", shows a group photo of four people and the name "MUHAMMAD AFIQ IRFAN BIN Sopian". The second card, titled "SOHJECT SM SETIA BUDI", shows a large group photo of many people. Both cards include the text "Purify Yourself and Preach Others". Below the cards, there is a sidebar with social media links for STEADFASTIUM and a text input field with the value "Schojetk" and "test1".

This is my achievement page where all the steadfast achievements will be put here,

Showing rows 0 - 1 (total: 2) Query took 0.0008 seconds.

`SELECT * FROM `achievements``

	<code>id</code>	<code>image</code>	<code>title</code>	<code>description</code>	<code>created_at</code>	<code>updated_at</code>
1	1	photo_2023-06-14_20-23-341686768373.jpg	ede	edede	2023-06-14 18:46:13	2023-06-14 18:46:13
2	3	photo_2023-06-14_20-23-291686797550.jpg	Schojetk test1		2023-06-15 02:52:30	2023-06-15 02:52:30

Database achievement to edit, del

2. Event

International Islamic University | localhost / 127.0.0.1 / webproject | Home - Canva | DevFolio Bootstrap Portfolio Template

STEADFAST

Chair
MPH / 2/3/2002 - 22 members joined

Ohana iftar
koe / 11.22.23 - 80 members joined

Ohana Iftar
Auditorium / 16/9/2023 - 2222 members joined

Add

This is the first page for the event when the poster is not added yet, if you want to add more events you just click the add button

Uplode Image For Event

photo_2023-06-14_20-23-20.jpg

Ohana Iftar
Auditorium
16/9/2023
2222
Abu



Fill up the details like a poster for the event, the name of the event, place, date, participant no and name of leader for the event

[International Islamic University](#) | [localhost / 127.0.0.1 / webproject](#) | [Home - Canva](#) | DevFolio Bootstrap Portfolio Template

[STEADFAST](#)

HOMES ABOUT V & M BOARD CONTACT MORE LOG IN REGISTER

EVENT

This is our event section. These are the photos of our recent events.

STEADFAST ENHANCEMENT TRAINING 2023

STEADFASTIUM

TIKTOK RAYA CHALLENGE

WINNER

MUHAMMAD AFIQ IRFAN BIN SOPAN

Purify Yourself and Preach Others

STEADFASTIUM

TIKTOK RAYA CHALLENGE

SECOND

SAFAH ATTAKH BINTI AHMAD FAIZI

Purify Yourself and Preach Others

STEADFASTIUM

29°C Mostly sunny

This is the final face of the event page when you put all the details,

Showing rows 0 - 5 (6 total). Query took 0.0006 seconds.

	Edit	Copy	Delete	1 photo_2023-06-14_20-22-571686768685.jpg	test2	test1	rqr	2222	as	2023-06-14 18:51:25	2023-06-14 18:51:25
Edit	Copy	Delete	2 photo_2023-06-14_20-23-341686768727.jpg	Event	required:string	1222	1	Ali		2023-06-14 18:52:07	2023-06-14 18:52:07
Edit	Copy	Delete	3 photo_2023-06-14_20-23-311686769728.jpg	Event	required:string	1222	2222	as		2023-06-14 19:08:48	2023-06-14 19:08:48
Edit	Copy	Delete	4 work-31686795286.jpg	Chair	MPH	2/3/2002	22	Ali		2023-06-15 02:14:46	2023-06-15 02:14:46
Edit	Copy	Delete	5 photo_2023-06-14_20-23-201686796361.jpg	Ohana iftar	koe	11/22/23	80	Nash		2023-06-15 02:32:41	2023-06-15 02:32:41
Edit	Copy	Delete	6 photo_2023-06-14_20-23-201686797912.jpg	Ohana Iftar	Auditorium	16/9/2023	2222	Abu		2023-06-15 02:58:32	2023-06-15 02:58:32

Database Event To edit, del

3.News

News

STEADFAST

HOMES ABOUT V & M BOARD CONTACT MORE LOG IN REGISTER

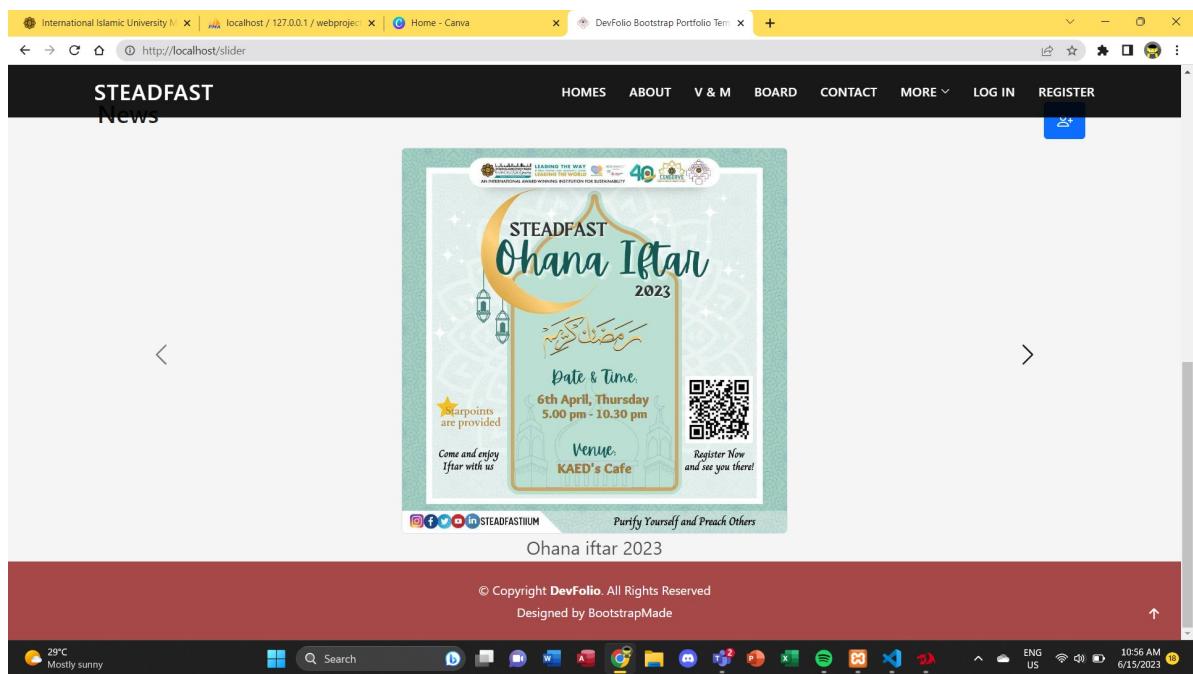
MB EXCO STEADFAST IUM 2022/2023
LUMINOUS

Mainboard

This is the news where all the news of steadfast, if you want to add more news just click the add button and it will bring you to below



Add the poster by clicking on the choose file, and add the name for the news



This is the last result for the news when we click, we can slide the poster.

localhost / 127.0.0.1 / webproject

phpMyAdmin

Showing rows 0 - 2 (3 total, Query took 0.0006 seconds.)

SELECT * FROM `sliders`

	Edit	Copy	Delete	id	image	description	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	1	folio21686777968.jpg	Mainboard	2023-06-14 21:26:08	2023-06-14 21:26:08
<input type="checkbox"/>	Edit	Copy	Delete	2	photo_2023-06-14_20-23-201686796233.jpg	Ohana iftar 2023	2023-06-15 02:30:33	2023-06-15 02:30:33
<input type="checkbox"/>	Edit	Copy	Delete	3	photo_2023-06-14_20-23-201686797775.jpg	Ohana IIUM	2023-06-15 02:56:15	2023-06-15 02:56:15

Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query Label: Let every user access this bookmark

Console < this SQL query

Database News To edit, del

4. Modules

International Islamic University | localhost / 127.0.0.1 / webproject | Home - Canva | DevFolio Bootstrap Portfolio Template

STEADFAST

HOMES ABOUT V & M BOARD CONTACT MORE LOG IN REGISTER

Modules

Themes

No themes available

Add Theme

Theme Name:
Theme Image: No file chosen
[Add Theme](#)

Games

No games available

Add Game

Game Name:
Game Image: No file chosen
Game Theme:
[Add Game](#)

This is the interface of the module, and there is a theme and type of games based on the theme that is available.

Themes

	Discipline
	Motivation
	Entertainment

Add Theme

Theme Name:

Theme Image: TSkills.jpg

Add Theme

Themes

	Discipline
	Motivation
	Entertainment
	Presentation

Add Theme

Theme Name:

Theme Image: No file chosen

This is the interface when adding a new theme. If you want to add themes, you just need to fill in the theme name and choose the image file.

Games

	TicTacToe
	Theme: Entertainment
	Guessing Game
	Theme: Motivation

Add Game

Game Name:

Game Image: GPresent.jpg

Game Theme:

Add Game

Games

	TicTacToe
	Theme: Entertainment
	Guessing Game
	Theme: Motivation
	Find The Direction
	Theme: Discipline
	Discussion
	Theme: Presentation

Add Game

Game Name:

Game Image: No file chosen

This is the interface when adding a new game. If you want to add themes, you just need to fill in the game name, game theme and choose the image file.

Showing rows 0 - 3 (total, Query took 0.0004 seconds.)

`SELECT * FROM `themes``

	Edit	Copy	Delete	ID	Name	Image	Created_at	Updated_at
<input type="checkbox"/>	Edit	Copy	Delete	7012	Discipline		2023-06-14 18:34:36	2023-06-14 18:34:36
<input type="checkbox"/>	Edit	Copy	Delete	7013	Motivation		2023-06-14 18:35:01	2023-06-14 18:35:01
<input type="checkbox"/>	Edit	Copy	Delete	7014	Entertainment		2023-06-14 18:37:34	2023-06-14 18:37:34
<input type="checkbox"/>	Edit	Copy	Delete	7018	Presentation		2023-06-15 16:18:13	2023-06-15 16:18:13

Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Bookmark this SQL query

Label: Let every user access this bookmark

Database for Theme. As an admin you can edit and delete any theme.

Showing rows 0 - 3 (total, Query took 0.0003 seconds.)

`SELECT * FROM `games``

	Edit	Copy	Delete	ID	Name	Image	Theme_id	Created_at	Updated_at
<input type="checkbox"/>	Edit	Copy	Delete	1	TicTacToe		7014	2023-06-14 18:37:58	2023-06-14 18:37:58
<input type="checkbox"/>	Edit	Copy	Delete	2	Guessing Game		7013	2023-06-14 18:38:43	2023-06-14 18:38:43
<input type="checkbox"/>	Edit	Copy	Delete	3	Find The Direction		7012	2023-06-14 18:39:16	2023-06-14 18:39:16
<input type="checkbox"/>	Edit	Copy	Delete	6	Discussion		7018	2023-06-15 16:21:15	2023-06-15 16:21:15
<input type="checkbox"/>	Edit	Copy	Delete	1	TicTacToe		7014	2023-06-14 18:37:58	2023-06-14 18:37:58

Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

Bookmark this SQL query

Label: Let every user access this bookmark

Database for Game. As an admin you can edit and delete any game.

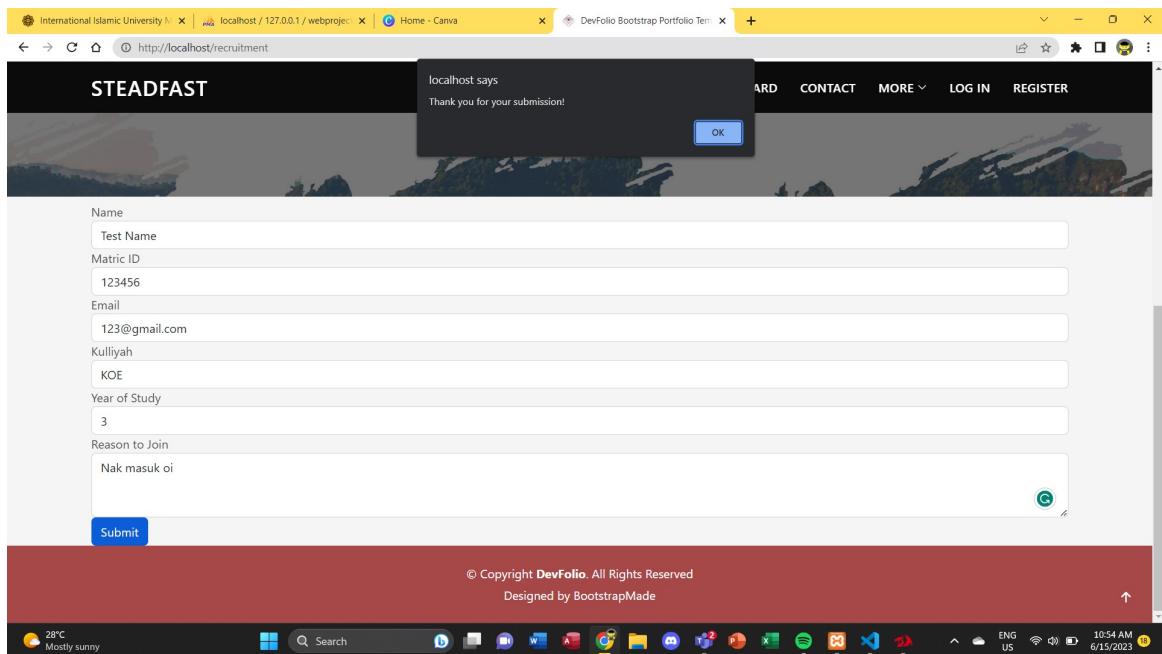
5.Recruitment

The screenshot shows a web browser window with multiple tabs open. The active tab is 'http://localhost/recruitment'. The page has a dark header with the word 'STEADFAST' in white. Below the header is a large, semi-transparent background image of a mountain range. The main content area contains several input fields for user information: 'Name', 'Matric ID', 'Email', 'Kulliyah', 'Year of Study', and 'Reason to Join'. A blue 'Submit' button is located at the bottom left of the form. At the very bottom of the page is a red footer bar with copyright information: '© Copyright DevFolio. All Rights Reserved' and 'Designed by BootstrapMade'. The browser's taskbar at the bottom shows various application icons.

This is the interface for the recruitment pages, you just need to fill up the details inside the blank form

The screenshot shows the same recruitment form page as the previous one, but with data entered into the fields. The 'Name' field contains 'Test Name', 'Matric ID' contains '123456', 'Email' contains '123@gmail.com', 'Kulliyah' contains 'KOE', 'Year of Study' contains '3', and 'Reason to Join' contains 'Nak masuk oi'. The blue 'Submit' button is visible at the bottom left. The rest of the page, including the header, background image, and footer, remains the same as the first screenshot.

This is after you will in the blank form, and when you click submit, it will keep your form to the database.



The pop-up message will appear,

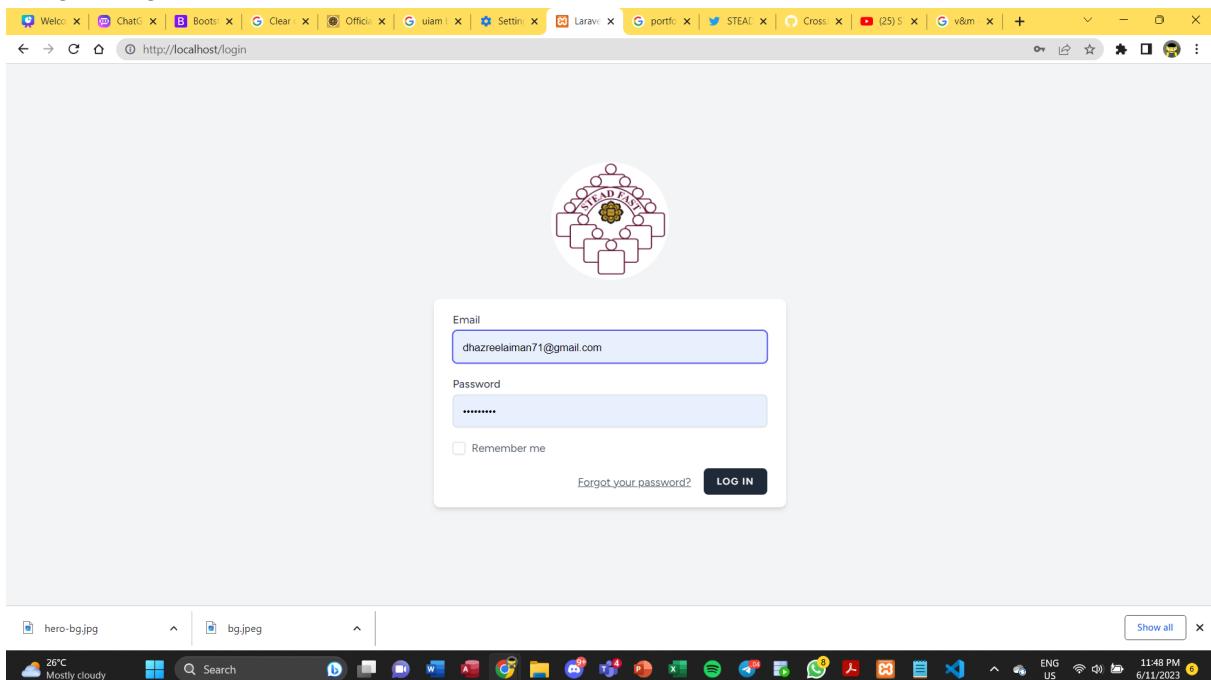
The screenshot shows the phpMyAdmin interface connected to a MySQL database named "webproject". The left sidebar lists various databases and tables, including "recruitments". The main panel displays the contents of the "recruitments" table. The table has columns: id, name, matric_id, email, kulliyah, year_of_study, reason_to_join, created_at, and updated_at. Six rows of data are shown:

	id	name	matric_id	email	kulliyah	year_of_study	reason_to_join	created_at	updated_at
1	Dhazreel	2116597	dhaazreelaiman71@gmail.com	kict	2	fas	2023-06-14 17:58:25	2023-06-14 17:58:25	
2	Dhazreel	2116597	dhaazreelaiman71@gmail.com	kict	2	asdad	2023-06-14 17:59:53	2023-06-14 17:59:53	
3	Dhazreel	2116597	dhaazreelaiman71@gmail.com	kict	2	3213	2023-06-14 18:01:45	2023-06-14 18:01:45	
4	Egg Lord	3333333	dhaazreelaiman788@gmail.com	kict	2	66	2023-06-14 21:25:13	2023-06-14 21:25:13	
5	Dhazreel	2116597	dhaazreelaiman71@gmail.com	kict	2	nakkk jadi steadfasttttt	2023-06-15 02:27:30	2023-06-15 02:27:30	
6	Test Name	123456	123@gmail.com	KOE	3	Nak masuk oi	2023-06-15 02:54:42	2023-06-15 02:54:42	

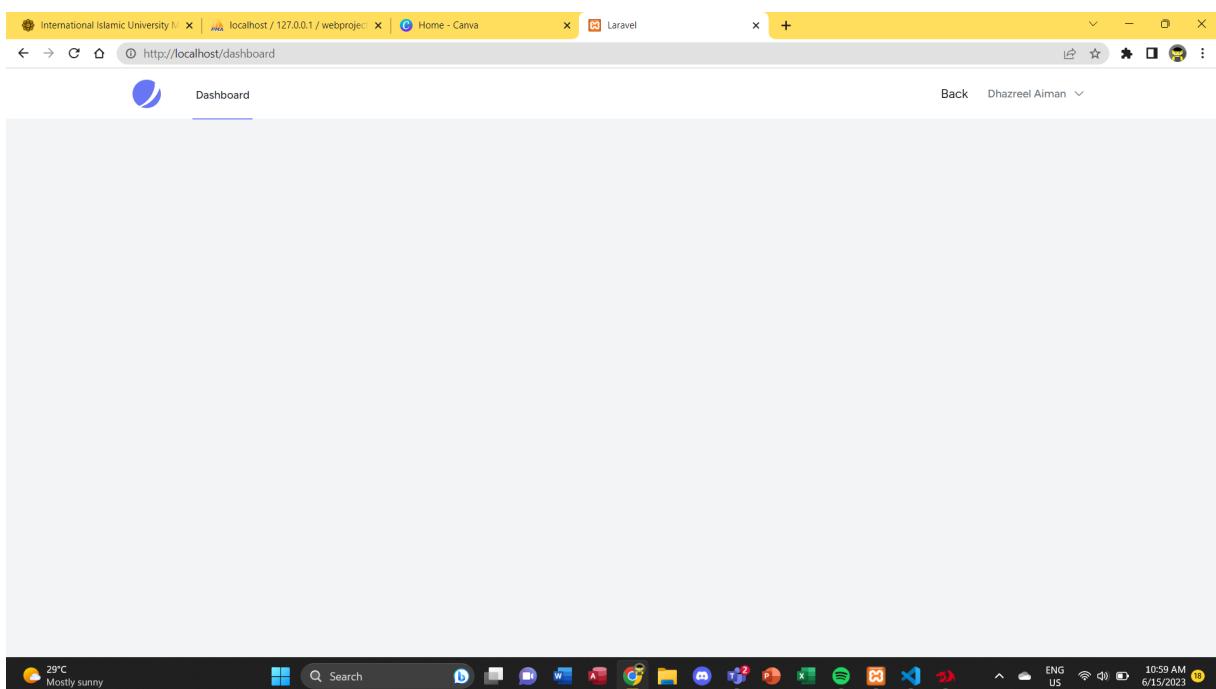
The system tray at the bottom shows weather (28°C, Partly cloudy) and system status (10:28 PM, 6/15/2023).

Database RecruitementTo check the list of student who recruit themself by filling and submitting their details in a form.

3. Log in page



This is a login page where when we click on the button on the website it will bring us here. Then After you click and Register your email here, then you click on the login button.



You will be brought here and when you click the back button you will see the homepage without log in button

The screenshot shows the phpMyAdmin interface for a MySQL database named 'webproject'. The left sidebar lists various databases and their tables. The 'users' table under the 'webproject' database is selected. The main area displays the results of a SQL query: 'SELECT * FROM `users`'. The table has columns: id, name, email, email_verified_at, password, two_factor_secret, and two_factor_recovery_secret. One row is shown: id=21, name='Dhazreel Aiman', email='dhazreelaiman71@gmail.com', email_verified_at='NULL', password='\\$2y\$10\$OgKlwrLvGr6FxTJB4xHu1BOYEwGmQ2jXS45WJmR4...', two_factor_secret='NULL', and two_factor_recovery_secret='NULL'. Below the table are buttons for Edit, Copy, Delete, and Export. At the bottom, there are links for Print, Copy to clipboard, Export, Display chart, Create view, and a 'Bookmark this SQL query' button.

Data of user who register will be inserted into User Database where user able to log in using their registered account.

4. What is the challenge/difficulties to develop websites?

1. **Technical complexity:** Web development involves working with multiple technologies such as HTML, CSS, PHP, and various frameworks and libraries. Understanding and mastering these technologies can be a challenge, especially for beginners.
2. **Communication:** The communication from the groupmates that sometimes we faced difficult problems to decide what theme or how the website looks like,
3. **New software:** Some of us are new to the software which took us some time to learn and make it quite hard for some of the groupmates.
4. **Time and location:** The challenges that we faced is since we are all student and have different class time make it more hard to find the time to get a suitable time to do it together.