

Hackathon 2025

Bridge The Gap



INTRODUCTION

The theme set by the International Telecommunication Union (ITU) for the World Telecommunication and Information Society Day (WTISD) for the year 2025 is **“Gender equality in digital transformation”**. In relation to this theme for the 7th Edition of the hackathon, your team is tasked to develop a web application or mobile application called **“Bridge the Gap app”**. The app is aimed to help women have the same opportunities as men in the technical field.

APP REQUIREMENTS

The app should be able to do the following.

1. **Authentication (15 points, bonus challenge is 5 points):** Allow users to register and login to the app. The registration details should include.

- Name
- Surname
- Email Address
- Mobile Number
- NIN/Passport Number
- Date of Birth
- Address

They should also be able to reset their password (Forgot Password)

2. **Community (20 points, bonus challenge is 5 points):** A page that logged in users can do the following.

- Upload a post (Image)
- Comment on a post
- React to a post
- Share post to a another messaging app

3. **Messages (20 points, bonus challenge is 5 points):** A page that logged in users can do the following.

- Chat with other registered users
- React to chats

- See when the chat was sent
- See users active (Online or Offline) status

4. Learning Hub (15 points, bonus challenge is 5 points): A page that logged in users can do the following.

- Share uploaded learning materials
- Download learning materials
- Only user's with Admin role can upload learning material

5. Admin Portal (10 points, bonus challenge is 5 points): A page that logged in users with the admin role can do the following.

- Can see details of registered users except their passwords
- Can assign admin role to registered users

Choose between the two and implement just one. If you implement both you will earn points on just one implementation.

A. CHOICE A [AI Mentor (20 points, bonus challenge is 5 points)]: A page that logged in users can do the following.

- Can interact with a chatbot. The chatbot should be able to answer only questions related to software development.

B. CHOICE B [Gaming Hub (20 points, bonus challenge is 5 points)]: A page that logged in users can do the following.

- Can play 2 interactive games that can help users learn about software development.

BONUS CHALLENGE

Bonus challenges will be given by 7:00pm on 22nd of May 2025, and it is for all core functionalities. Implementation of these bonus challenges will earn you only an additional 5 points for each implementation, so focus should be on the core functionalities.

JUDGING CRITERIA

Your application will be judged on the following criteria's:

- **Core Functionalities:** This assesses how successful the team was able to implement the *Authentication, Community, Messages, Learning Hub, Admin Roles*, and *Choice A (AI Mentor)* or *Choice B (Gaming Hub)* components.
- **Usability:** This assesses how usable the application is. Meaning if there are no bugs and the logic flow does not break for each functionality.
- **UI (User Interface):** This assesses the display and responsiveness of the app.
- **UX User Experience:** This assesses how easy it is to use the app.
- **Performance:** This assesses the overall response time of the app