Kabarak University
Center for Health Informatics

in conjunction with

Google Health

Mama's Hub - OHS Bootcamp & Hackathon

Bootcamp Entry Tasks

Tuesday 3ʳᵈ September – 2:00 pm – 8:00 pm

Each participant is expected to perform ALL of the following tasks

1. **Task 1 -** Develop a simple Android app with a login, signup, and dashboard using Kotlin programming.

2. **Task 2 -** Create a simple web application with a login page and homepage. The login page should have three fields:

   i. Name
   ii. Date of birth
   iii. Password

   Determine the approximate age from the date of birth. If the age is above 50 or below 18, show them an error message and do not send the name and password to the server for authentication. The password and name should be authenticated by a node (Express) server written in typescript (Hardcoded values). If the authentication is successful, navigate the user to a homepage displaying their name and age.

   Requirements:

   • UI in **React**
   • Backend server using node (Express) and written in **Typescript**
   • Form fields using **material UI**

3. **Task 3 -** Create a simple React application that fetches and displays users from https://jsonplaceholder.typicode.com/. The application should display the name of the user and how many posts they have made. (Use the Fetch API to make the HTTP requests).

Instructions

Your working solution's code should be hosted on github. Provide the link to the appropriate repository.

Prior Experience

1. Do you have any Android projects you have done before? Provide a GitHub link to the project and explain briefly what it is about.

2. Do you have any web-based projects you have done before using React and Node (Using either Javascript or TypeScript)? Provide a GitHub link to the project and explain briefly what it is about.

Github Links Submission - https://forms.gle/83J7uyDhc2bB3faN7

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