Please find your id, then read about the project assigned to you.

For any further questions you can ask during the class or my office hours

**Project ROLES:** (read carefully)

1. ChatGPT can code for you. But he can't present and discuss the project instead of you.
2. You can get easy or hard ZERO by:
   * Hard zero: if you don't know the purpose of any line of code that you present
   * Easy zero: if you don't present and discuss your project
3. Extra features added to project will be most welcomed and appreciated
4. For all project: you have to use (shared preference and http libraries ) or any similar library (if you know what it is )
5. Each student should do separate project, even if they have similar assigned project ( any copy/paste == ZERO for both)  ( التسليم كل طالب لوحده - اي غش لنفس المشروع = صفر للطالبين )
6. **No one allowed to change the assigned project**
7. The code should be shared as ZIP file
8. **Due date is 21/1/2025**
9. **You should discuss and present the project before 23/1/2025**

**“Programming isn’t about what you know; it’s about what you can figure out"  Chris Pine,**

**Project Name: Open Trivia Database**

Screens:   
1. Home Screen: Display categories of trivia questions.  
2. Quiz Screen: Fetch and display trivia questions from the selected category, allowing user interaction.  
3. Results Screen: Show user's score and correct answers.

API Details: <https://opentdb.com/api_config.php>

**Students ID: 202110763, 202122448**

**Project Name: The MealDB**

Screens:   
1. Home Screen: List meal categories.  
2. Category Meals Screen: Display meals under a selected category.  
3. Meal Detail Screen: Show detailed recipe information for the selected meal.

API Details: <https://www.themealdb.com/api.php>

**Students ID: 202122233, 202122585**

**Project Name: Unsolicited Advice API**

Screens:   
1. Advice Screen: Display a random piece of advice fetched from the API.  
2. Search Advice Screen: Allow users to search for advice containing specific keywords.

API Details: <https://www.freepublicapis.com/unsolicited-advice-api>

**Students ID: 2020106000129**

**Project Name: Cat Facts API**

Required Task:  
Develop a Flutter app with 2 screens:  
1. Random Fact Screen: Show a random cat fact.  
2. Fact List Screen: Display a list of cat facts fetched from the API.

API Details: <https://catfact.ninja/>

**Students ID: 202311721, 2019104010007**

**Project Name: Country Flags API**

Screens:   
1. Country List Screen: List all countries.  
2. Country Detail Screen: Display details and flag of the selected country.  
3. Search Screen: Allow users to search for countries by name.

API Details: [https://restcountries.com](https://restcountries.com/)

**Students ID: 202111047, 202122508**

**Project Name: Public Holidays API**

Screens:   
1. Country Selection Screen: Allow users to select a country.  
2. Holidays Screen: Display upcoming public holidays for the selected country.

API Details: <https://date.nager.at/Api>

**Students ID: 202111053, 202122731**

**Project Name: World Time API**

Screens:   
1. Timezone List Screen: List available timezones.  
2. Time Display Screen: Show current time for the selected timezone.

API Details: [http://worldtimeapi.org](http://worldtimeapi.org/)

**Students ID: 202122206, 202121992**

**Project Name: Breaking Bad Quotes API**

Screens:   
1. Random Quote Screen: Display a random quote from the show.  
2. Quote List Screen: Show a list of quotes with the ability to refresh for new quotes.

API Details: [https://breaking-bad-quotes.herokuapp.com](https://breaking-bad-quotes.herokuapp.com/)

**Students ID: 202110964, 202111019**

**Project Name: Geocoding API (OpenCage)**

Screens:   
1. Location Input Screen: Allow users to input an address.  
2. Coordinates Display Screen: Show latitude and longitude of the entered address.  
3. Map Screen: Display the location on a map using the coordinates.

API Details: [https://geocode.xyz](https://geocode.xyz/)

**Students ID: 202110710, 202122466**

**Project Name: Random Chuck Norris Jokes API**

Required Task:  
Develop a Flutter app with 2 screens:  
1. Random Joke Screen: Display a random Chuck Norris joke.  
2. Joke Categories Screen: List joke categories and display jokes from selected categories.

API Details: [https://api.chucknorris.io](https://api.chucknorris.io/)

**Students ID: 202122326, 202211073**

**Project Name: Coindesk Bitcoin Price Index API**

Screens:   
1. Current Price Screen: Display the current Bitcoin price in various currencies.  
2. Historical Data Screen: Show a graph of Bitcoin price over the past month.

API Details: [https://api.coindesk.com](https://api.coindesk.com/)

**Students ID: 202122195, 202111285**

**Project Name: Genderize.io API**

Screens:   
1. Name Input Screen: Allow users to input a name.  
2. Gender Prediction Screen: Display the predicted gender for the entered name.

API Details: [https://genderize.io](https://genderize.io/)

**Students ID: 202111411, 202210553**

**Project Name: Uinames API**

Screens:   
1. Random Name Screen: Display a random name based on selected gender and region.  
2. Name List Screen: Show a list of generated names with options to filter by gender and region.

API Details: [https://uinames.com](https://uinames.com/)

**Students ID: 2020106000683, 2019106030693**

**Project Name: WeatherAPI (Fake Weather Data)**

Screens:   
1. City Input Screen: Allow users to input a city name.  
2. Current Weather Screen: Display current weather data for the entered city.  
3. Forecast Screen: Show a 5-day weather forecast for the city.

API Details: [https://goweather.herokuapp.com](https://goweather.herokuapp.com/)

**Students ID: 202210475, 2020106001305**

**Project Name: Random Facts API**

Screens:   
1. Random Fact Screen: Display a random fact.  
2. Fact List Screen: Show a list of random facts fetched from the API.

API Details: [https://uselessfacts.jsph.pl](https://uselessfacts.jsph.pl/)

**Students ID: 202111141, 202111053**