

M.A.D Coursework Proposal

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My GOLF APP

- **Golf Timetable/Schedule Screen:**

This screen will display upcoming golfing rounds, including details such as date, time, and location.

Technical Requirement: Use a ContentProvider for efficient management and retrieval of scheduling data. This ensures a smooth user experience and facilitates future enhancements to the scheduling functionality.

- **Golf History Screen:**

Users can view their past golf rounds, including scores and individual hole performances.

Technical Requirement: Use ContentProvider and utilise a database for storing round scores and hole data. This ensures efficient retrieval and presentation of historical golfing data, enhancing user experience and facilitating performance tracking.

- **Nearby Golf Course:**

Users can search for and view nearby golf courses based on their current location permissions.

Technical Requirement: Utilise Location Services to retrieve the user's current location. Implement APIs like Google Maps API to display nearby golf courses on a map view.

- **Weather Information**

Provides users with weather updates for selected golf courses.

Technical Requirement: Utilise a weather API (e.g., OpenWeatherMap) to fetch weather data based on the selected golf course's location.

- **Login Page:**

Allows users to create accounts or log in to existing ones to access personalised features.

Technical Requirement: Implement user authentication using local storage or SharedPreferences. This includes functionalities to securely store user credentials locally on the device and to authenticate users during login.

Technical Requirements:

Distinct Screens: The app will have at least two distinct screens, including the main functionalities outlined above.

Navigation Component: Utilise Android's Navigation Component to facilitate smooth navigation between screens.

Intent for Location: Use intents to launch external map applications, displaying the location of selected golf courses.

App Lifecycle Handling: Ensure the app handles lifecycle changes, such as screen rotations, gracefully without losing user data or state.

Permissions: Request and handle permissions for accessing the device's location to find nearby golf courses.

ContentProvider: Create a ContentProvider to manage data related to the timetable, schedule, and history of golf rounds. This will facilitate efficient data access and management within the app.

My plan is for the UI to be very simple, easy to use, simple table, easy buttons to find, clear colour scheme. The golf history page will look similar to schedule page but with just different info

GOLF SCHEDULE

Header	Header	Header
Cell text A2	Cell text B2	Cell text
Cell text A3	Cell text B3	Cell text
Cell text A4	Cell text B4	Cell text
Cell text A5	Cell text B5	Cell text B5

WEATHER

LOCATION

DATE

TIME

COURSE

LOCATION

SUBMIT

