**Hybrid Mobile Development Project Research**

Brief Summary:

The project I plan to implement will be a small app to interface with the high scores of the popular MMO RuneScape. This is a game that I first found as a young teen and have played off and on for approximately 15 years and should provide a great reference point to help build my understanding of Flutter/Dart development.

Project Deliverables:

Based on my current knowledge of the development process, I hope to achieve the following:

* Create a splash screen with a custom logo (I will not copy RuneScape’s official logo as per the spec requirements as well as plagiarism concerns)
* One screen will handle inputting a player’s name to fetch their stats from the high scores. I would like to hold a history of usernames either in a database or JSON file, and I will be fetching the high score data from this source [High Score API](https://runescape.wiki/w/Application_programming_interface#Old_School_Hiscores). Ideally, this high score data will be stored and linked to the username in history and will not require an API call after the first time (I may however add a refresh button to recall the API, as realistically a user would want the most current information for the player they search) .
* A second screen will be used to interact with the data fetched from the high scores page. My current plan is to create a calculator to determine experience required to reach a desired level (ranging from 1-99) in each skill. I may implement further functionality, such as progress bars, estimated time, etc...
* I will also be parsing the data fetched from the API and will make my best attempt at creating a visually pleasing representation of each skill with their respective in-game logos, as well as the player’s name. I have not yet decided if this information will be displayed as an interface for the calculator, on the player search screen, or on its own third screen (the wireframing process should help me in deciding on this).

Example of API Usage

<https://secure.runescape.com/m=hiscore_oldschool/index_lite.ws?player=zezima>