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| PROJECT TITLE | CryptoCoinTracker | | |
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| **PURPOSE** Identify how your project solves a problem. | This project provides users with the ability to monitor cryptocurrency market data through a mobile interface. By fetching real-time data from CoinGecko, it avoids using slow or ad-heavy websites and delivers price information directly on an Android device. | | |
| **GOALS**  A summary of the [SMART goals](https://www.atlassian.com/blog/productivity/how-to-write-smart-goals) for your project. | **Specific:** Build an Android app that fetches and displays a list of cryptocurrencies with price data using a public API (CoinGecko).  **Measurable**: Display data in a scrollable list with at least 10 cryptocurrencies updating via LiveData.  **Achievable**: Use Retrofit, ViewModel, and RecyclerView to keep the architecture clean and scalable.  **Relevant:** Directly applies fundamental Android development concepts, such as MVVM and API consumption, that are closely aligned with course objectives.  **Time-bound:** Complete all milestones within the current course timeline. | | |
| **AUDIENCE**  Describe the characteristics of who would use your project. | The app is for crypto enthusiasts and new investors to quickly view top coin performance. It targets Android users who want lightweight, no-login-required market data access. | | |
| **TIMEFRAME**  Break down your project into deliverables (based on the course schedule). Assign deadlines for milestones for yourself. | |  |  | | --- | --- | | Deliverable | Deadline | | Project Idea + Setup | Week 1 | | UI Layout (XML for Main Screen) | Week 2 | | Retrofit Integration + API Fetch | Week 3 | | ViewModel + LiveData implementation | Week 4 | | RecyclerView integration | Week 5 | | Testing + UI Polishing | End of Week 5 | | Final Debugging and Submission | End of Week 5 / Start of Week 6 | | | |
| **COMMENTS** | One of my primary objectives is to develop a visually impressive user interface, featuring graphs, charts, and an intuitive user environment. | | |