

Engineering Project II

Name: Ammar Mohammed Tofik

Student Number: 2104010073

Project given: Cryptocurrency notification app

What is the Cryptocurrency notification app?

The cryptocurrency price notification app lets users set alerts for their favorite cryptocurrencies. The app fetches real-time price data and sends push notifications when a selected cryptocurrency reaches a set price threshold. It also provides a news feed, portfolio tracker, and price chart to help users make better-informed decisions about their investments.

Project Requirements:

Functional requirements:

- ✓ Choose an API: You will need to use a cryptocurrency price API to get real-time price data for various cryptocurrencies. In my case I will choose USDT to ETB and Bitcoin to USD.
- ✓ Implement the price notification feature: The main feature of the app will be to send price notifications to the user when the price of a selected cryptocurrency reaches a certain threshold. It will need to set up a push notification service to send the notifications.

Design Requirements:

- ✓ Design the user interface: Design the user interface of your app, including the screens and user flows. You can use a prototyping tool like Figma to create wireframes and mockups.

Software Requirements:

- ✓ The device requirements are: iOS 12 or later for apple products, and android 5.0 for android devices. Internet connection, enough RAM to run the app smoothly and sufficient storage for the app to be installed.

The programming language which I will be using is python. And I may use Figma for prototyping tool for the design interface like Figma. This decision will be made after some time in the project implementation.