

# Crypto Adviser User Login/Preferences Scenario

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The Crypto/Stock Market advisor will eventually provide personalized investment recommendations based on chosen preferences using live and updated crypto/stock data from publicly available APIs, tailored news related to current investments/preferences and community forums for investors to discuss new and thrilling opportunities. The first scenario will describe what happens when a user opens the app, creates an account, inputs their password and user ID, and sets their preferences to eventually get their first couple recommended stocks.

The key feature inside of this release is the highly customizable algorithm that will recommend to the user which cryptocurrency or stock to purchase for maximum profit. The recommendation algorithm will be a simplified v1.0 model and will compare what the user prefers versus what the user disregards. Another special feature is the forums page included in the app, allowing for users to discuss and converse on what the app is recommending them, their experience in buying and selling stocks/crypto, etc. This way, it is possible for the user to gather advice from a more calculated standpoint and cross reference it with other's experiences, maximizing in the advising potential of the app and thus maximizing in earnings and diversifying in their portfolio.

## **Scenario: “Register, Set Preferences and View Recommendations”**

The user opens the app for the first time. They are presented with the login screen. Since they don't have an account yet, they click on “Make account”, which leads them to a different page. On the Create Login page, they enter a unique username and secure password. After completing registration, they sign in and are welcomed into the app.

If they try to sign in, but enter the wrong password, they are met with an error message, “Wrong Password” and prompted to try again. If the user doesn't yet have an account, they can easily switch to the Register option, where they provide their email, create a password, and continue with setup.

After creating a username and password, the user answers a short questionnaire about risk tolerance and preferred companies. The user will notice that once the questions are answered, only then are they able to access the main screen. The user's answers are saved to their profile so future recommendations reflect their choices. After the user has finished answering the questions, they are led to the main page of the app, the home page.

Once the user is at the home page, the app will collect v1.0 news recommendations based on the user preferences and display them for the user to see (Figure 1 below). The user can change these preferences on the settings page.

Exploring the app, the user clicks on the tab right of the home page. They access the setting's page, where the user profile is displayed and many options are available. Here the user can change their selected preferences, change password, change the profile picture, and log out of the app.

The user clicks on the tab left of the home page. The user can now access many different forums, or discussion posts by other users. They see recommended discussion posts based on their preferences at the top, and as they scroll down, see many more discussion posts. The user is able to click on a forum and reply to it with their own words or experiences (See Figure 2). The user is also able to create their own forum in order to ask specific questions to themselves.

The user can see a clock on the home Tab. This clock keeps track of when the recommended stocks are going to reset, as they rest daily to keep updated with the current news.

Figure 1 - Example path of each new user's experience:

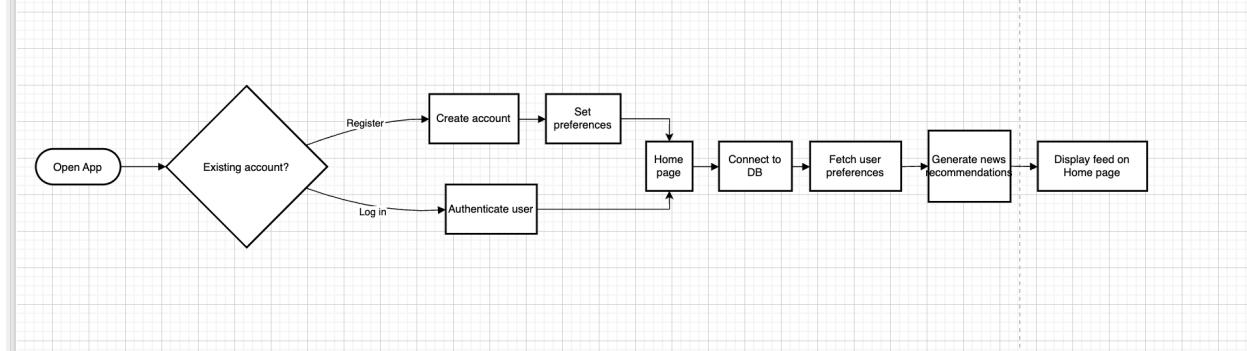


Figure 2 - Diagram of how each agent is connected and what they have access to:

