

## CRITERION E: EVALUATION

### EVALUATION:

Success Criteria	Progress
High Priority: Users must be able to create an account with a valid email and password with at least 8 characters.	I have successfully met this criterion. My client expressed satisfaction, particularly praising the ease of the process and the intuitive user interface for account setup. Security measures and database integration through Firebase was seamlessly integrated.
High Priority: Users must be able to browse through different books on the marketplace.	This criterion was achieved as demonstrated in the app's browsing functionality. The feedback from Timothy confirmed that the browsing experience was seamless and met his expectations.
High Priority: The system must allow users to make investments but validate each investment action to ensure the user has sufficient virtual currency after transaction arithmetic.	I believe this criterion has been effectively met. The investment functionality includes rigorous validation checks, as outlined in the project's demonstration. Timothy was particularly pleased with the clear feedback.
High Priority: The app must update investment values with data fetched from verified sources and APIs every instance.	For criterion 4, I believe I was successful. Although my client did not comment on this, it is clear from Criterion D's implementation of the application that book prices were regularly updated through APIs.
Medium Priority: The app should allow users to add any amount of currency to their account.	This criterion has been met. As demonstrated in Criterion D, the app allows users to deposit any given amount of money.
Low Priority: When user closes application, the system should log the user off, and prompt them to relog in for the next instance.	This criterion has been met. When the emulator, and hence the app is restarted, the user is prompted with the sign-up screen. User can register a new account, or click the sign in button to log in. Regardless, user is logged out after closing the instance.

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FUTURE EMPLOYMENTS:

In future renditions of this application, I would like to include:

1. Shares: I would like to implement a feature to buy multiple shares of a book. Thanks to extensibility of the HomeActivity class, I can easily add new buttons to buy shares and simply modify the investments map Java, and its corresponding collection in Firebase to include a “shares” value pair.
2. Search Bar: Implementing a search bar to search through books to invest in, could be done by leveraging Android’s RecyclerView and integrating it into the HomeActivity class, allowing for dynamic filtering of book titles as user input changes.

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