

Thoughts



*Personal sentiment tracking &
analysis*

Software design

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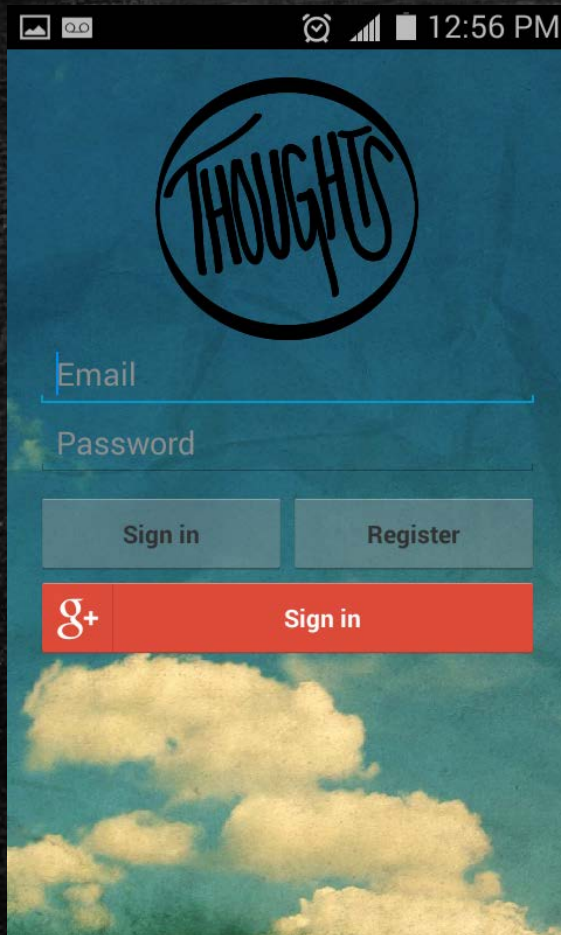


Design Presentation Overview



- Problem definition
- Scope of system
- UML Diagrams
 - Detailed Class Diagram
 - Sequence Diagrams
 - Register New User
 - Sign in
 - View Feed
 - Add Thought
 - Select Thoughts

Problem definition

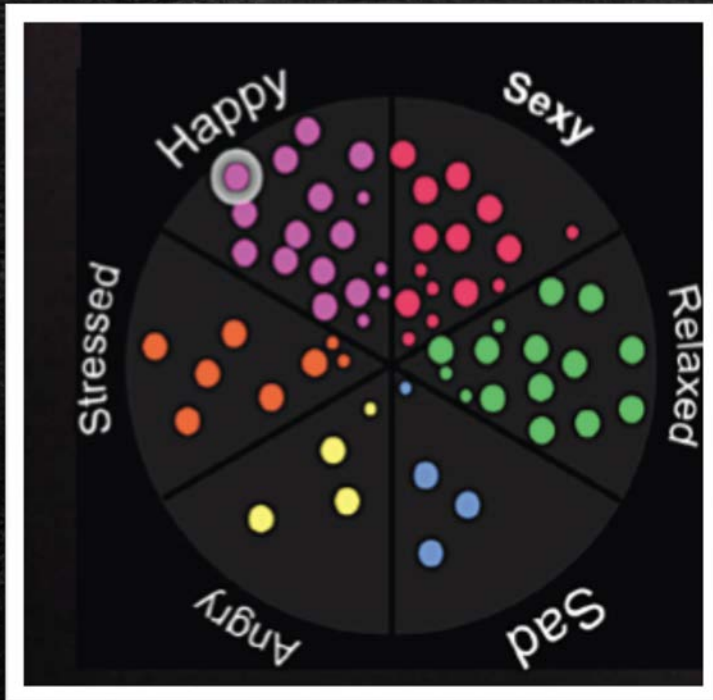


- How can a user track his or her **affective/emotional state**?
- How can an application achieve this task without directly asking the user about their emotional state?

Our solution

- The primary function of our application is to use **sentiment analysis** to classify and analyze user **thoughts** for positivity/negativity and affective/emotional state.

Scope of system



- The application will collect user *thoughts* throughout time
 - Mini “tweet-like” blurbs
 - Blog posts
 - Expressions of emotion like “I don’t feel well” or “Life is good”
- These thoughts will be analyzed and classified
- The application will present data visualizations of the resulting analyses to the user.

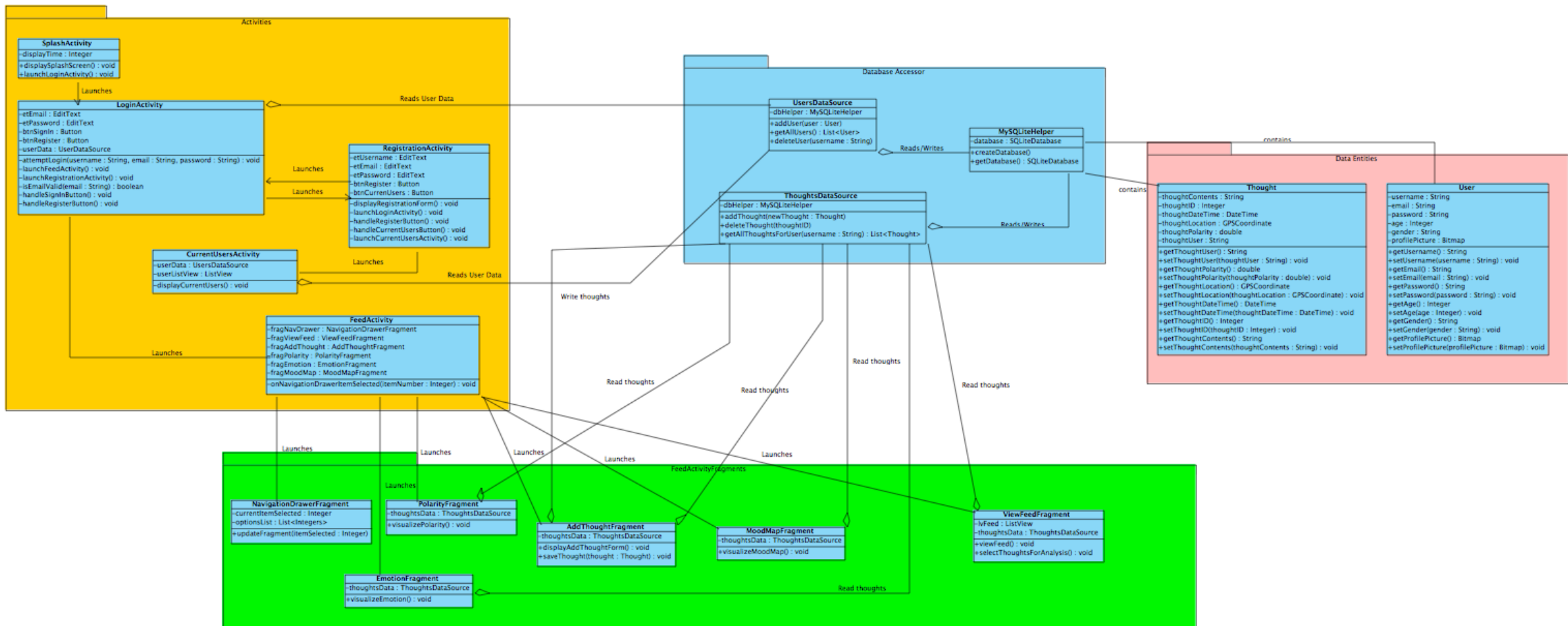
Initial Testing Corpus



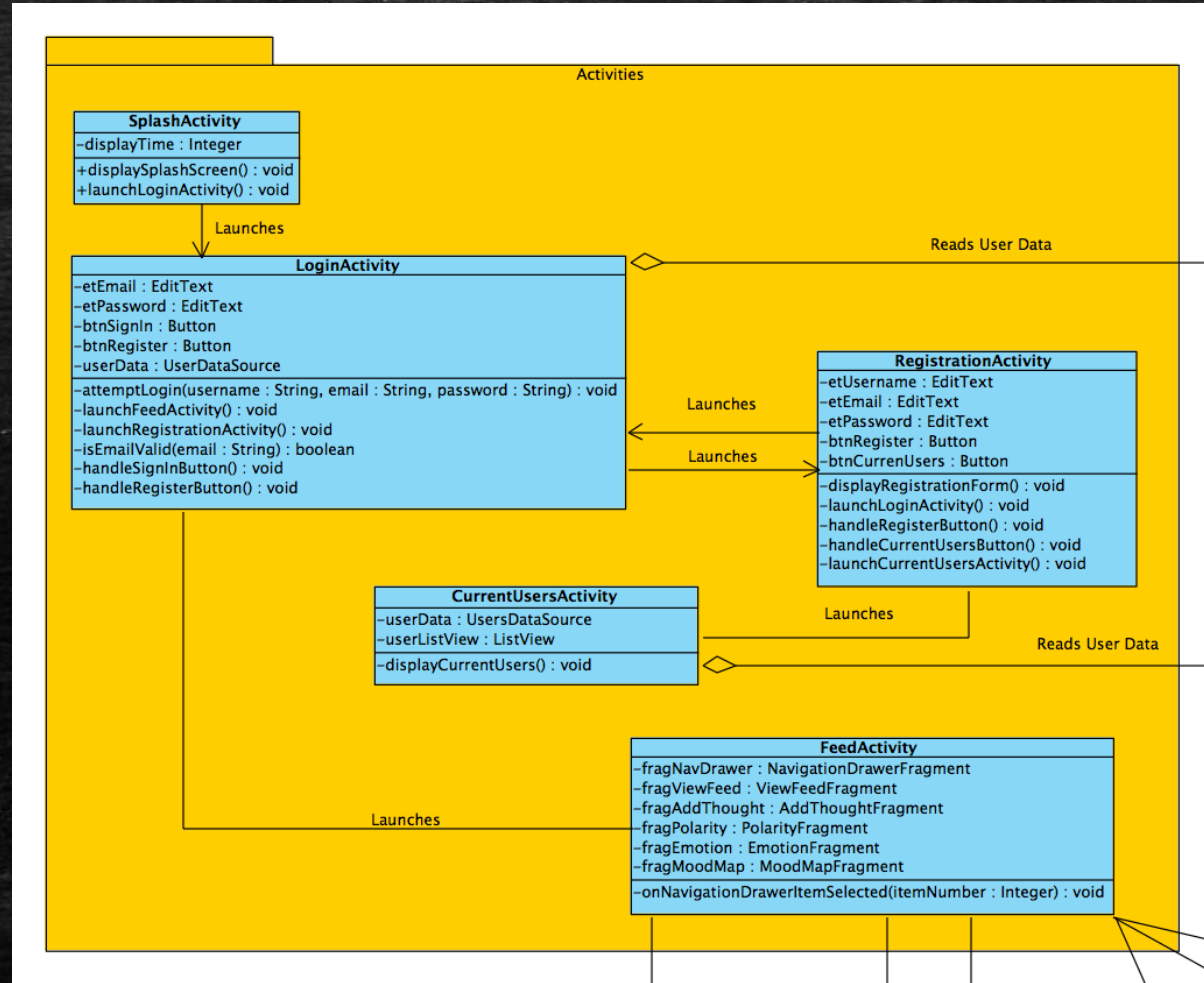
- “The loneliest moment in someone’s life is when they are watching their whole world fall apart, and all they can do is stare blankly.”
— [F. Scott Fitzgerald](#), [*The Great Gatsby*](#)
- This is an example of a **sad** thought.
- We will use quotes from our favorite authors to train and test our classifier.

Class Diagrams

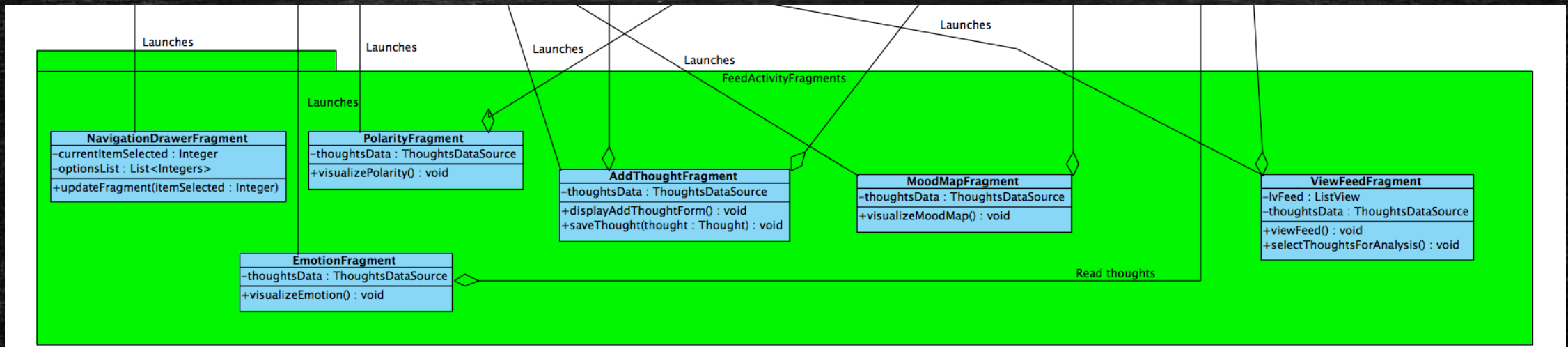
Detailed Class Diagram



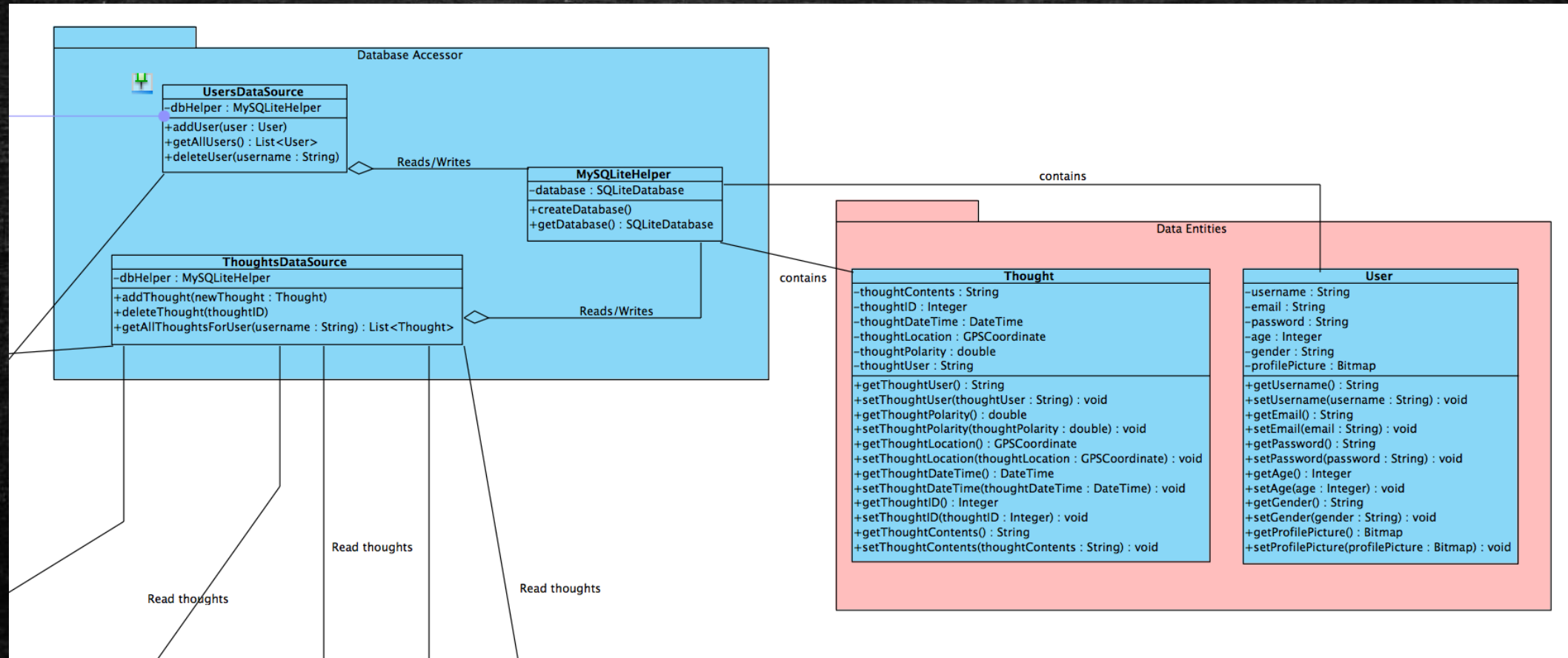
Activities



Fragments

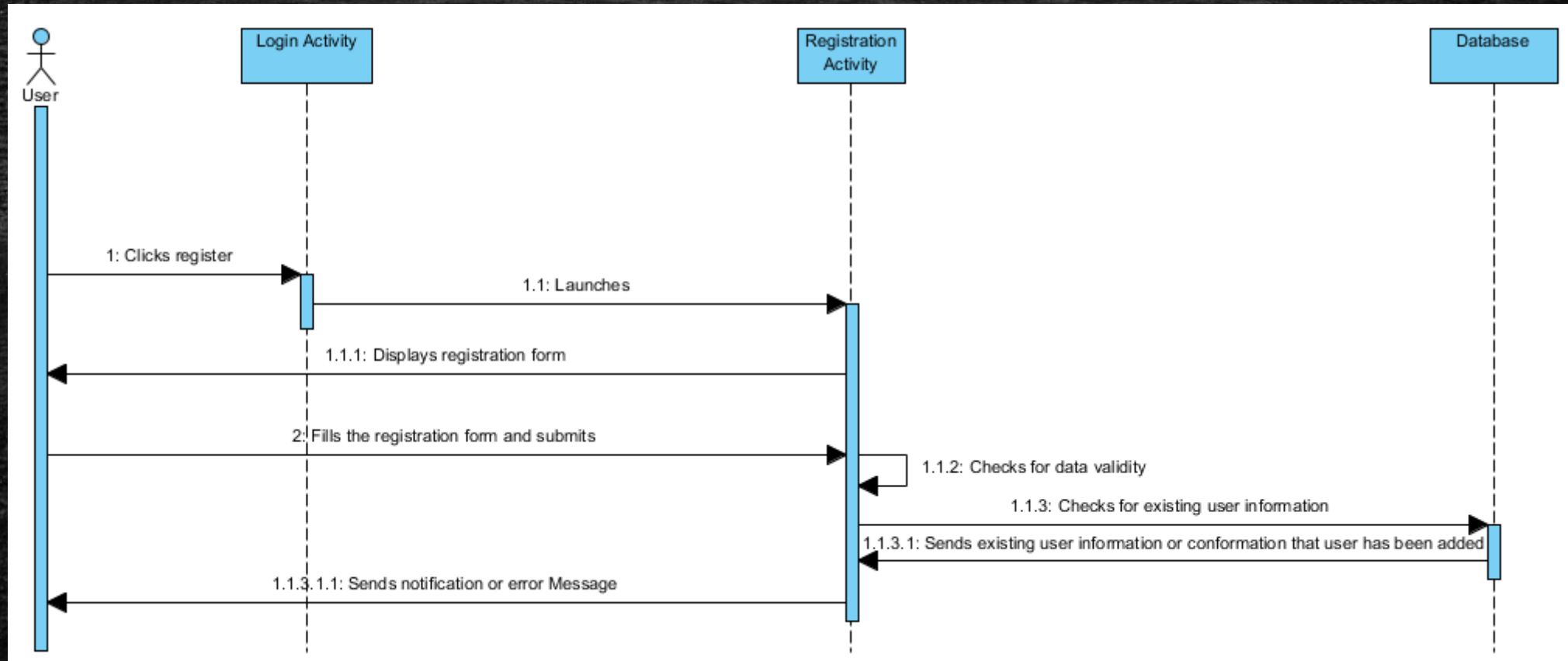


Data-driven classes

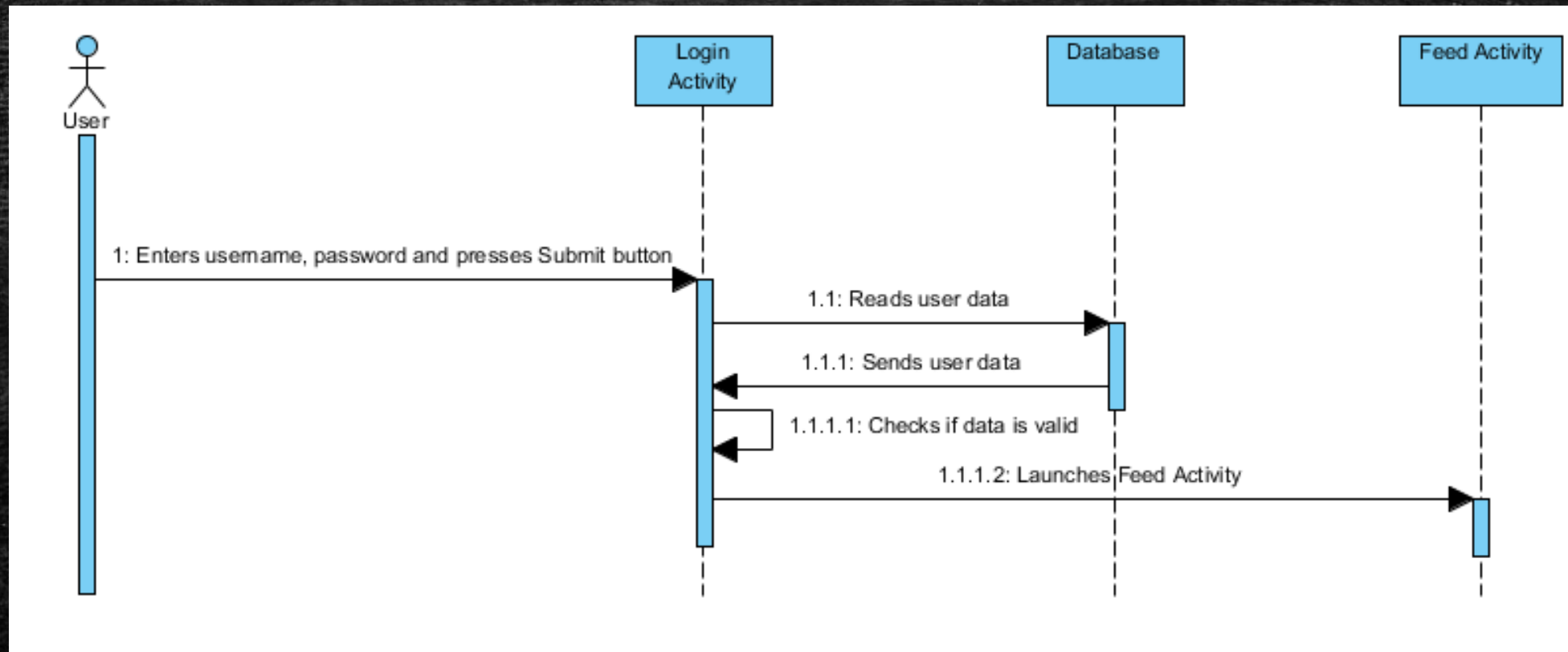


Sequence Diagrams

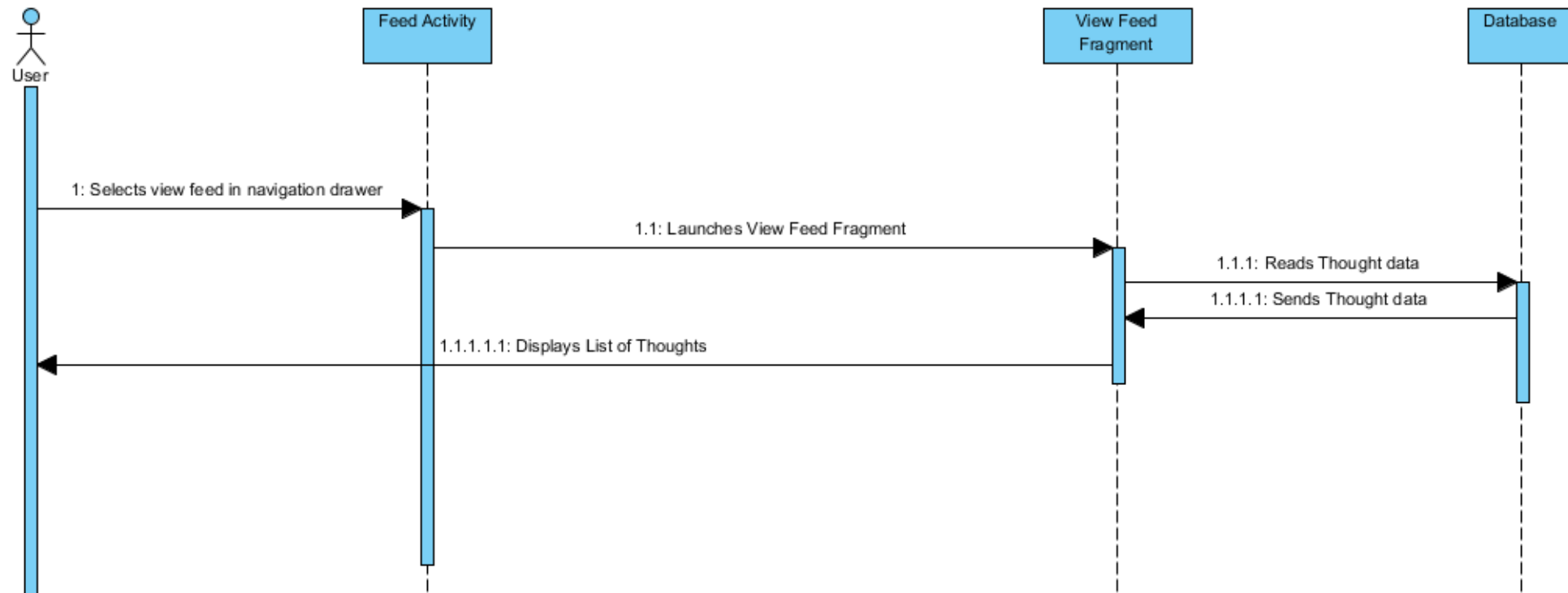
Register New User



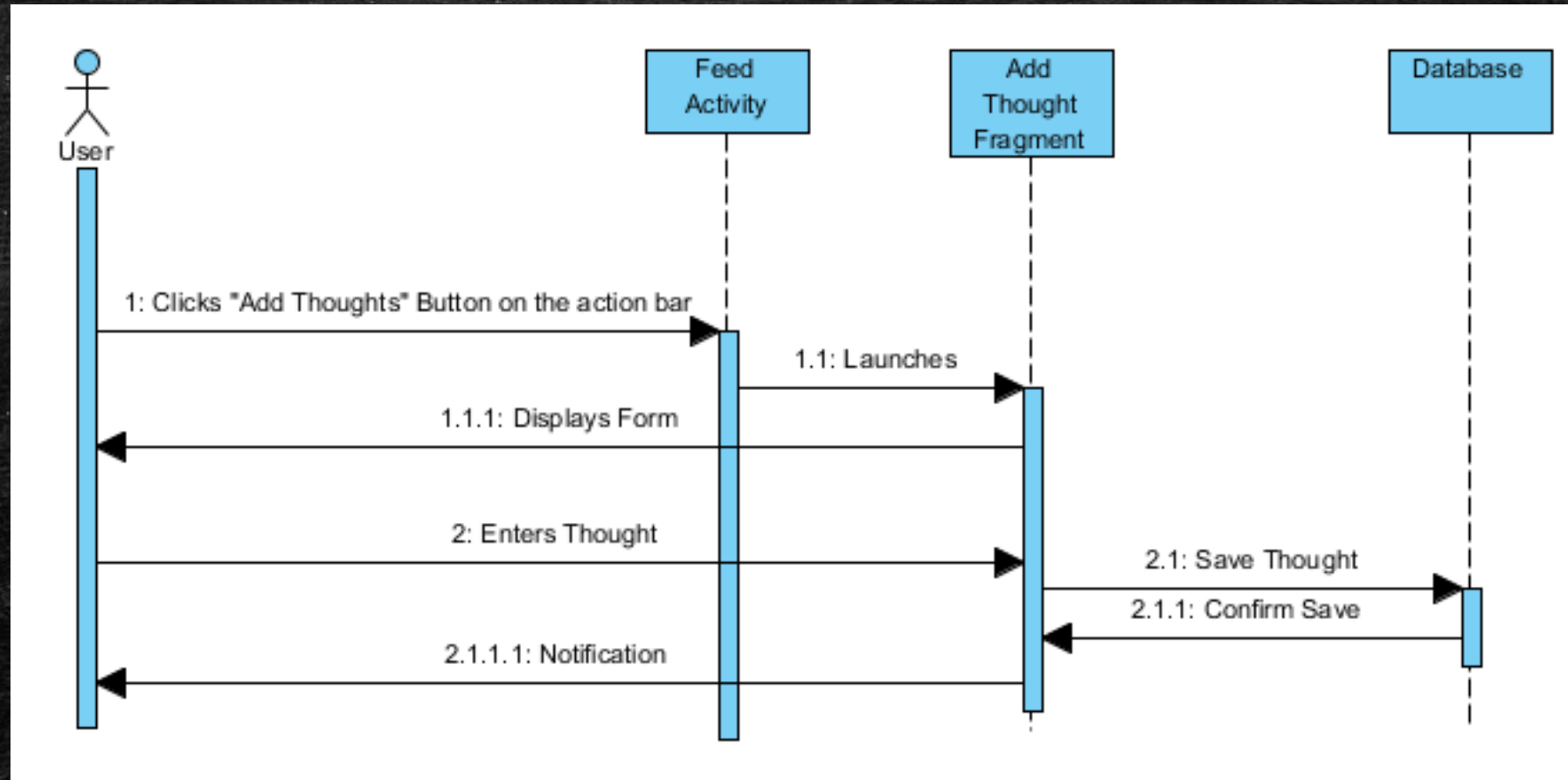
Login



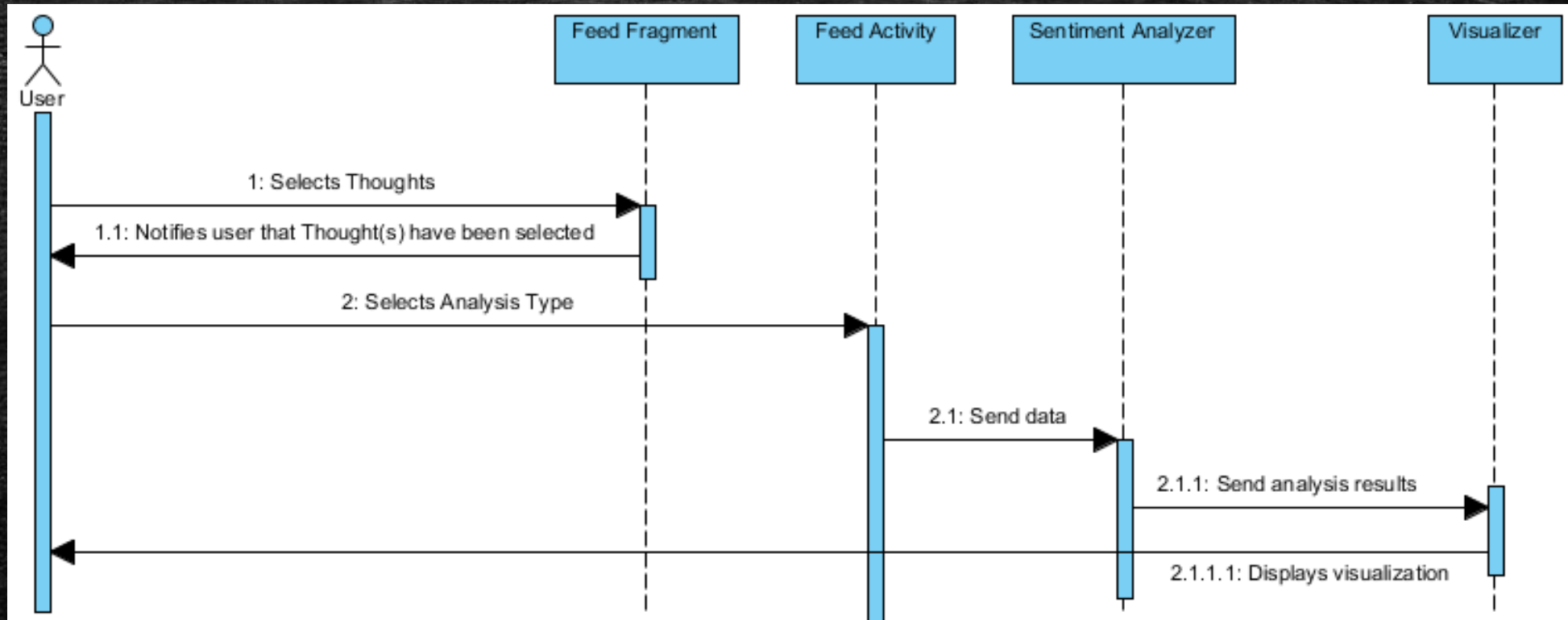
View Feed



Add Thought



Select Thoughts and Analysis



Questions?

