NKUNet

Iteration 1

Team: High Speed Rail

Iteration 1 Tasks

- Reviewed Vision and Use Cases
- Created Domain Model
- Created System Sequence Diagrams (SSDs)
- Identified classes for Use Case implementation
- Created Design Class Diagrams
- Created Interaction Diagrams
- Implemented chosen Use Cases for working demo

And further project details in documentation, as requested.

Analysis of Requirements

For an agile development strategy, we iterate by making a smaller core system and building from it.

Our question and answer system's most essential functions are the ability to **view** and **post** questions, as well as **reply** to questions with answers.

Rating answers is a low level function that only involves the other basic functionality.

Implemented Use Cases

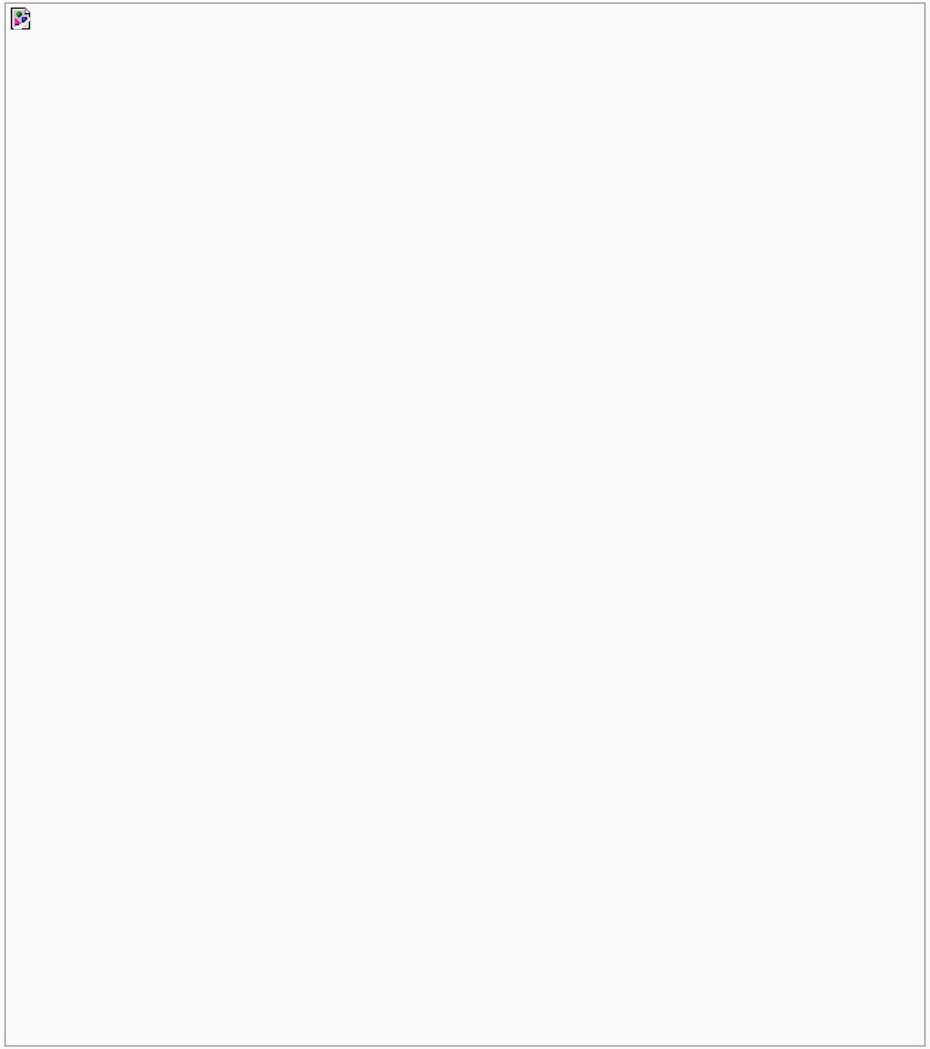
We chose to implement the most basic use cases to focus on the fewest number of different features, to show the basic functionality with the lowest chance of errors.

- UC1: View Question
- UC2: Post Question
- UC3: Post Answer
- UC4: Rate Answer

Domain Model

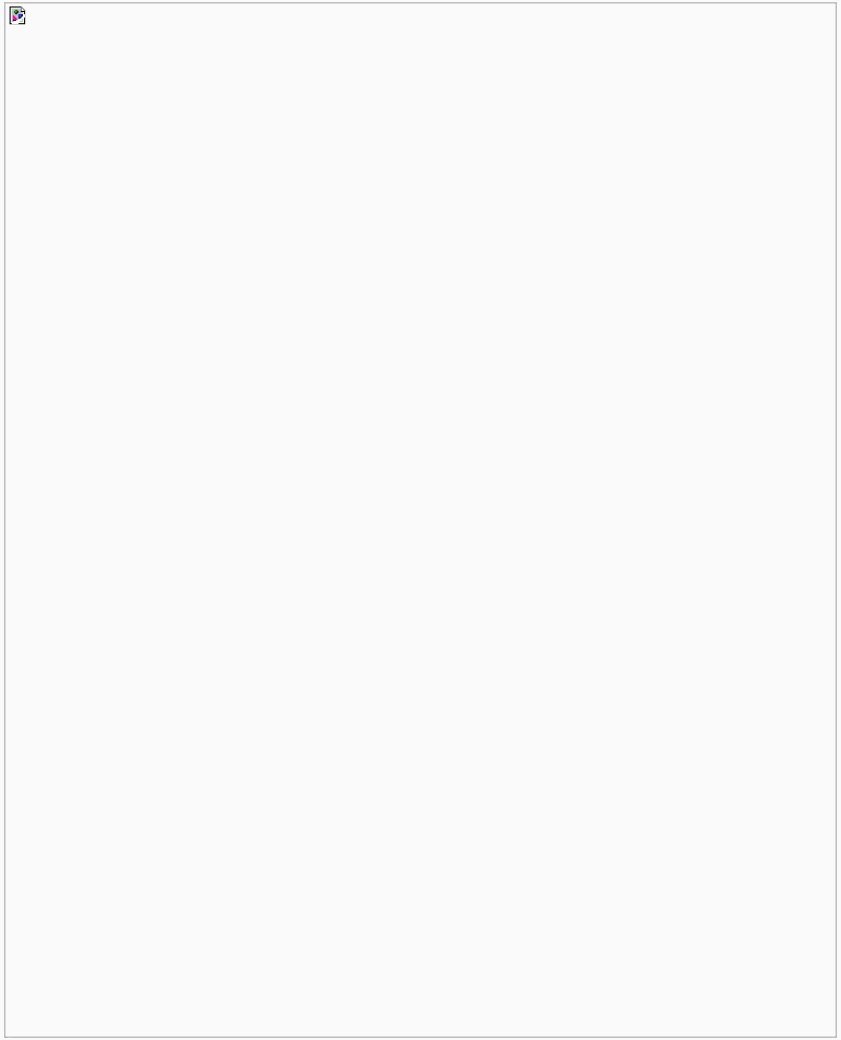
Our domain model for our entire project was made with all of our planned features and functionality.

Behavior between features as well as member data are outlined. This gives us a visual map to transfer into code ‘logic’ with our class diagrams, along with our SSDs.



System Sequence Diagrams

For each use case, our SSDs captured the basic interactions between the user and the system.



Class Design Diagrams