

Team Super Ghost

Iteration 1

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Vision

Vision

Removed requirements that were determined to be out of scope or unrealistic for the project:

Removed from “Other Requirements and Constraints”:

- All user passwords should be encrypted.
- Backups should be taken on a fixed schedule to prevent data loss.

Requirements

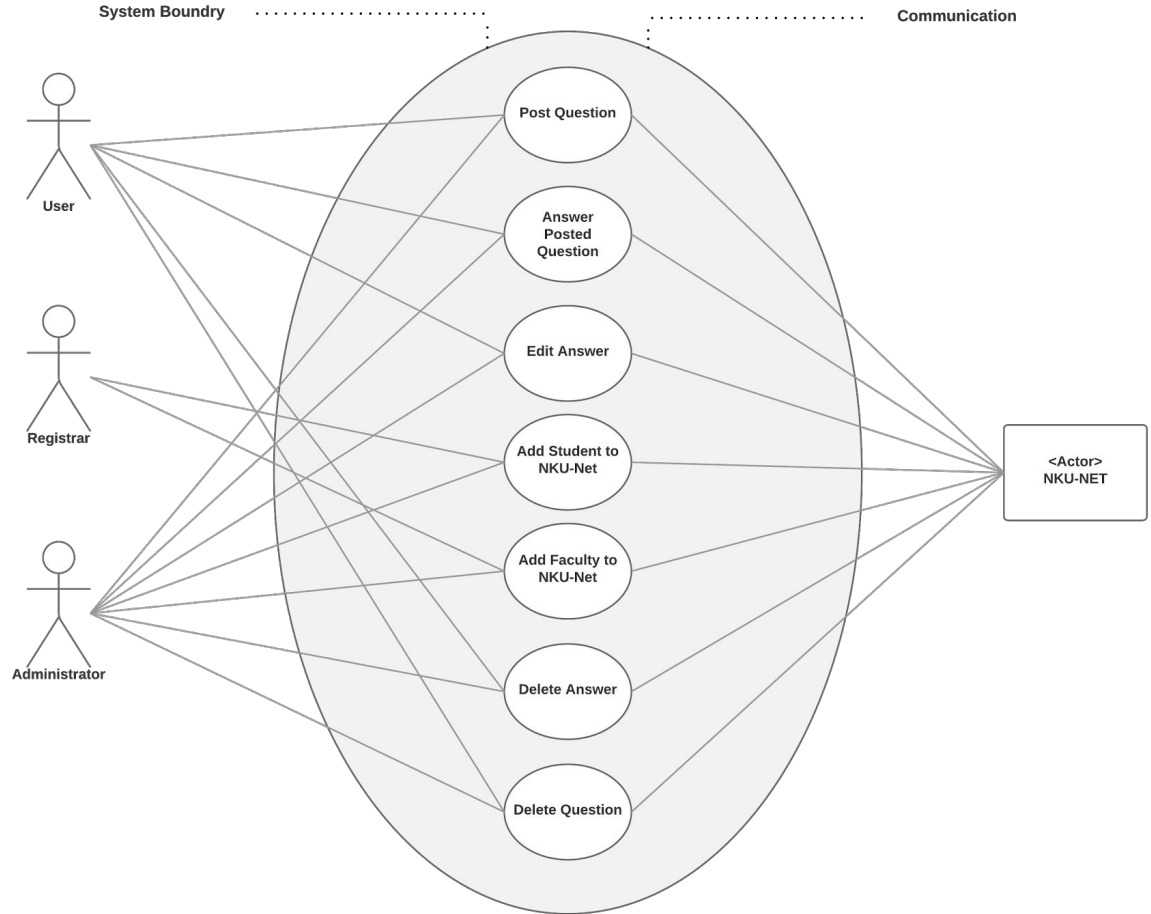
Requirements

Use Cases Chosen:

- Post Question
- Answer Question
- Edit Answer
- Delete Answer
- Delete Question

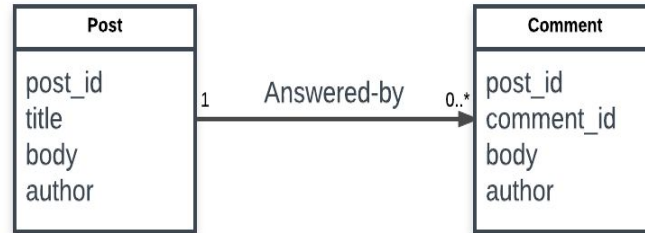
We chose these use cases because they make up the basic requirements of a social media site, and provide the most necessary functionality.

Use Case Model



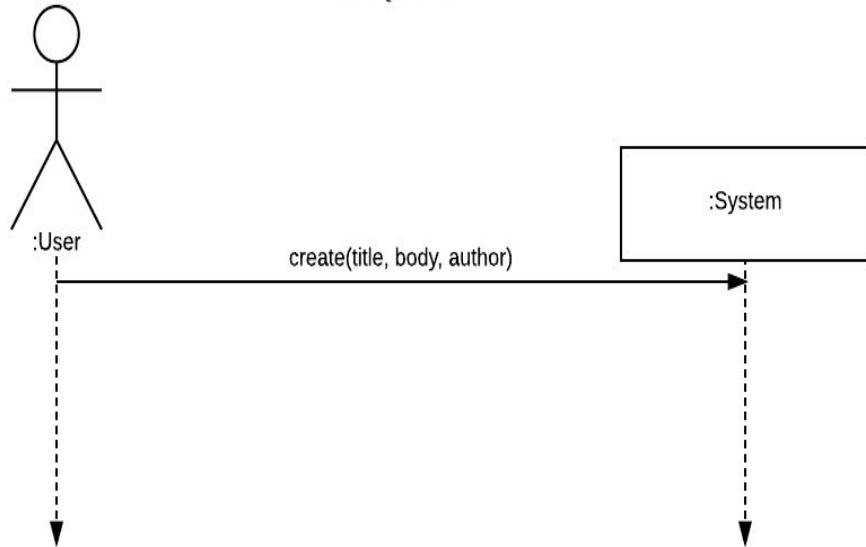
Domain Model

Domain Model (Iteration 1)

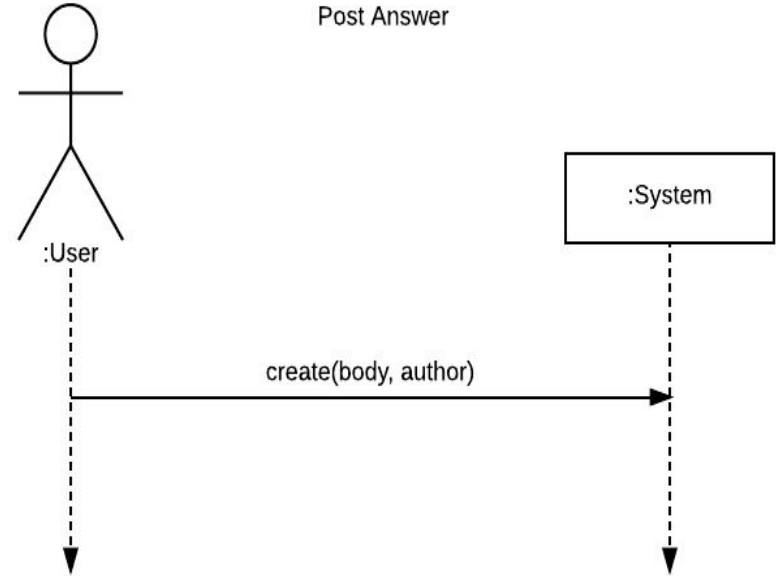


System Sequence Diagrams

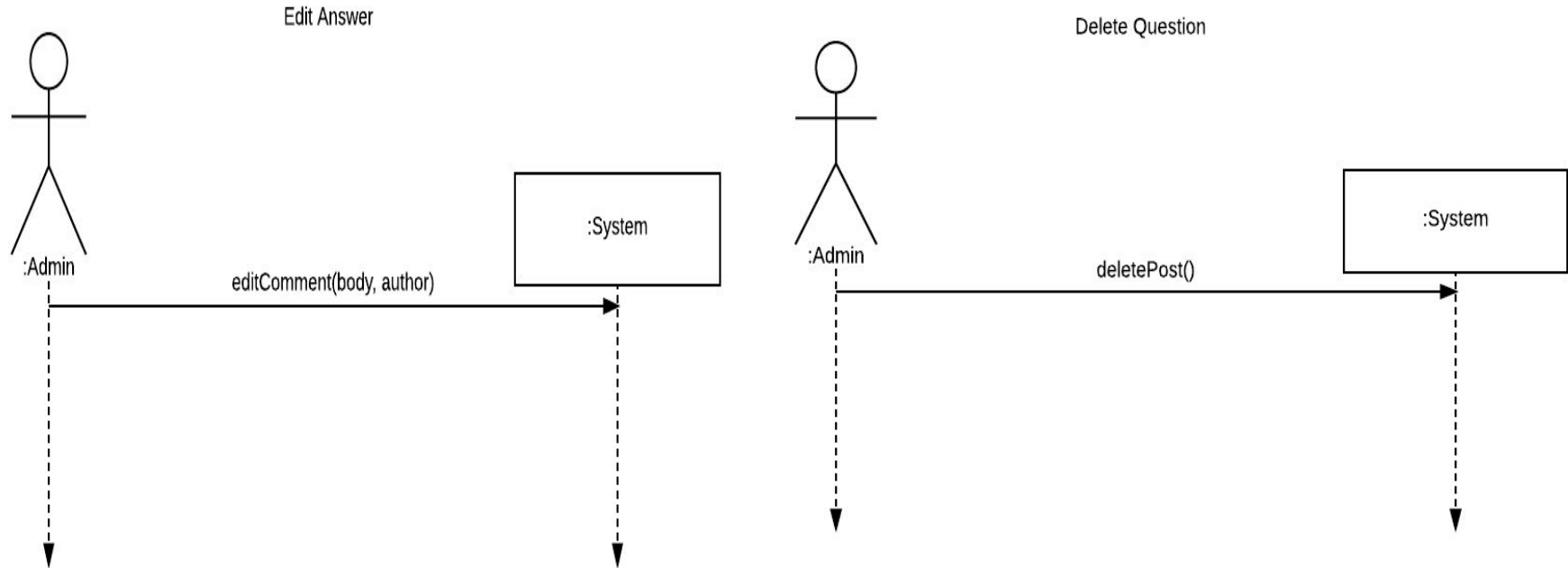
Post Question



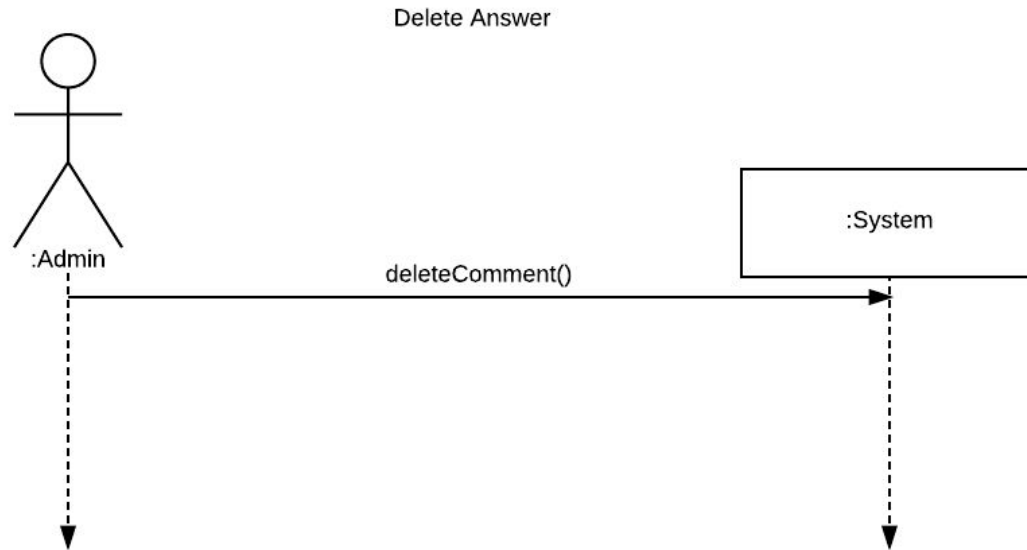
Post Answer



System Sequence Diagrams



System Sequence Diagrams

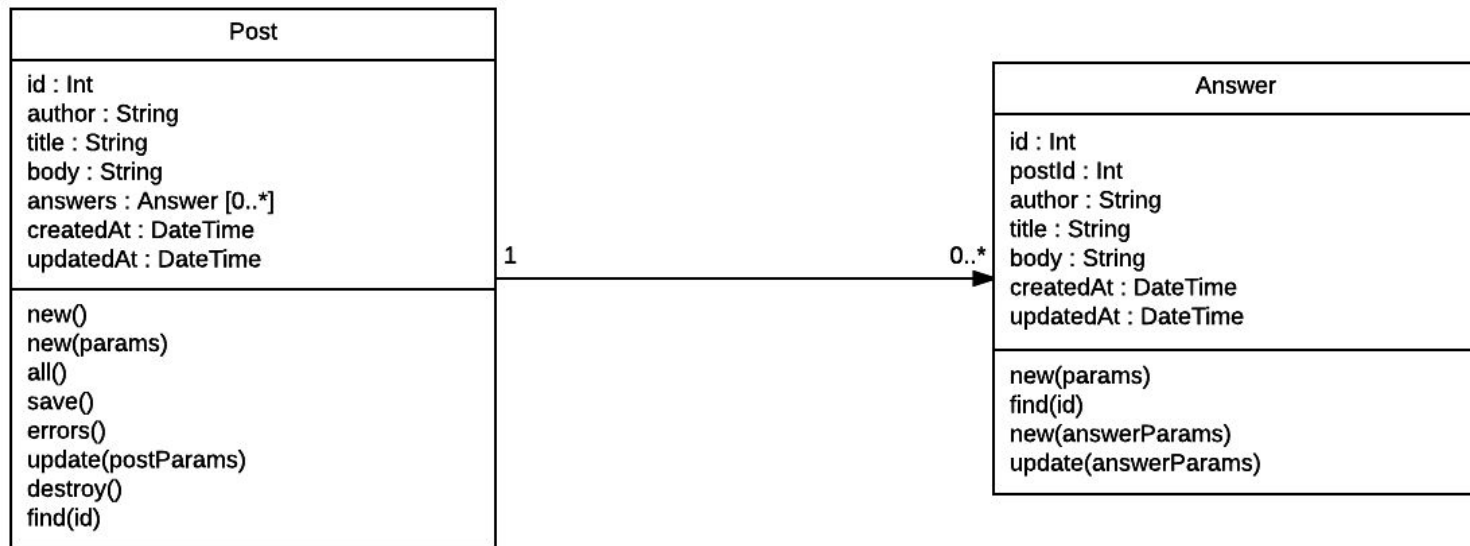


Design

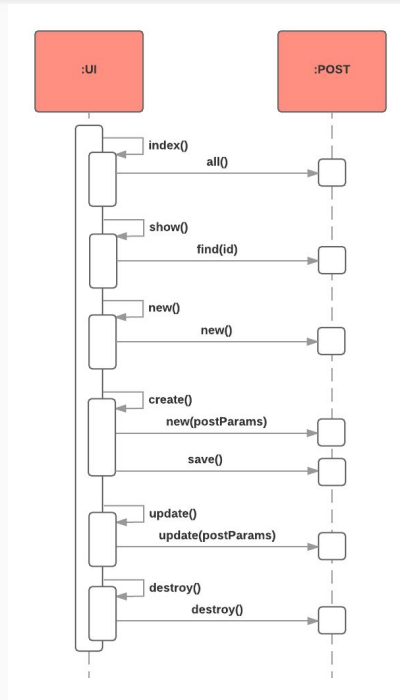
Design: Overview

- Design Class Diagram
- Design Level Sequence Diagrams
- Discussion of Design Decisions
- Discussion of Database Design

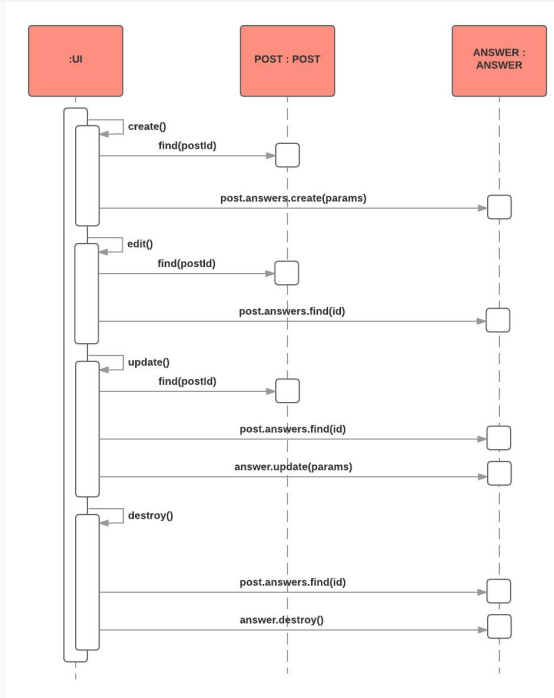
Design Class Diagram



Design Level Sequence Diagrams - Question



Design Level Sequence Diagrams - Answer



Discussion of Design Decisions

- Emphasis on simplicity (such as having an *author* field in lieu of an author model).
- Take advantage of Rails' scaffolding capabilities.
- Stick to requirements, while making future directions evident.

Discussion of Database Design

Posts:

- author: string
- title: string
- body: text
- created_at: datetime
- updated_at: datetime

```
$ bin/rails g scaffold Post title:string  
body:text author:string
```

Comments:

- author: string
- body: text
- post_id: integer
- created_at: datetime
- updated_at: datetime

```
$ bin/rails g model Comment author:string  
body:text post:references
```

Demo

Any questions?