Protocol

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Sprint Review

- Can be in PPT, PDF, or word document format
- Deadline - Friday @ 12 PM

Video

- Use case diagrams:
  - Summarize relationships between use cases, actors, and systems
  - Contain a few simple figures
  - Use case represents functional requirements of systems
  - Usually constructed at early stage of development
    - Specify context, requirements, etc.
  - Actor: one who interacts w/ system
    - Must be associated w/ use cases
  - System boundaries
  - Types of relationships:
    - Association
    - Extension
    - Inclusion
    - Generalization (inheritance)

Lecture

- Key reason for use case diagrams is to "capture requirements of a system"
- The solution to human error/miscommunication in projects: use case modeling
- System:
  - Defined by its boundaries
- Actors:
  - Outside our system (CMS)
  - Don't have to be actual people
  - Must interact with the system
  - Cannot be changed by system design
  - Some are tricky
- Use cases:
  - Must have clear pass/fail criteria
  - All actors must know if the system fulfils the use case

    - Complete use cases have system interaction and output
    - Provide measurable results to users
- No use case for actor - execute
- No actor for use case - find another to connect it to

Practice Problems

- UML diagrams with mistakes
    - Find mistakes in use case diagram (handed out in class)
    - Add two more:
        - Global climate
            - Is it a system?
            - No - no clear boundaries
        - God
            - Is it a system?
            - Again, no - no clear boundaries
    - Student example
        - Communication line doesn't create clear interaction between student and use case
    - R language example
        - R language is not outside system
    - Employee database example
        - Generalization - arrow is in the wrong direction between "Database" and "Employee Database"
    - Live long and prosper example
        - No clear pass/fail criteria
    - Use case example
        - No clear pass/fail criteria
    - Blog account created example
        - Cannot turn output into a use case
- Started "user logs in to computer" use case scenario during last ten minutes

Sources

Github Lecture
In-Class Video
UML use case diagrams with mistakes handout