First Lecture

Maximilian Ivan Filipov

November 10, 2022

Contents

1 Quiz

1.1 snowcards

- atomic requirement

- collected into requirement categories

1.2 user requirements

- document of flow of operations

- are written from a user point of view

1.3 user story mapping

- sorting importance of task

2 Unified Modeling Language (UML)

2.1 Behaviour Diagram

1. Activity Diagram

2. State Machine Diagram

3. Use Case Diagram

4. Sequence Diagram

2.2 Structure Diagram

1. Class Diagram

2. Component Diagram

3. Object Diagram

3 USE CASE DIAGRAM

3.1 Diagrams

1. System

2. Actors

3. Primary and Secondary Actors

4. Use cases

5. Relationships

3.2 Use case calls

1. main $\Rightarrow$ included use case

2. main $\Leftarrow$ extends use case

3.3 extension points

1. optional operation (if \ else)

3.4 Specialized use cases

1. like polymophism / inheritance