



Overview

•The Process

- Top-level SADT Diagram
- Detailed SADT Diagram
- UML Activity Diagrams

•Issues

•The Product

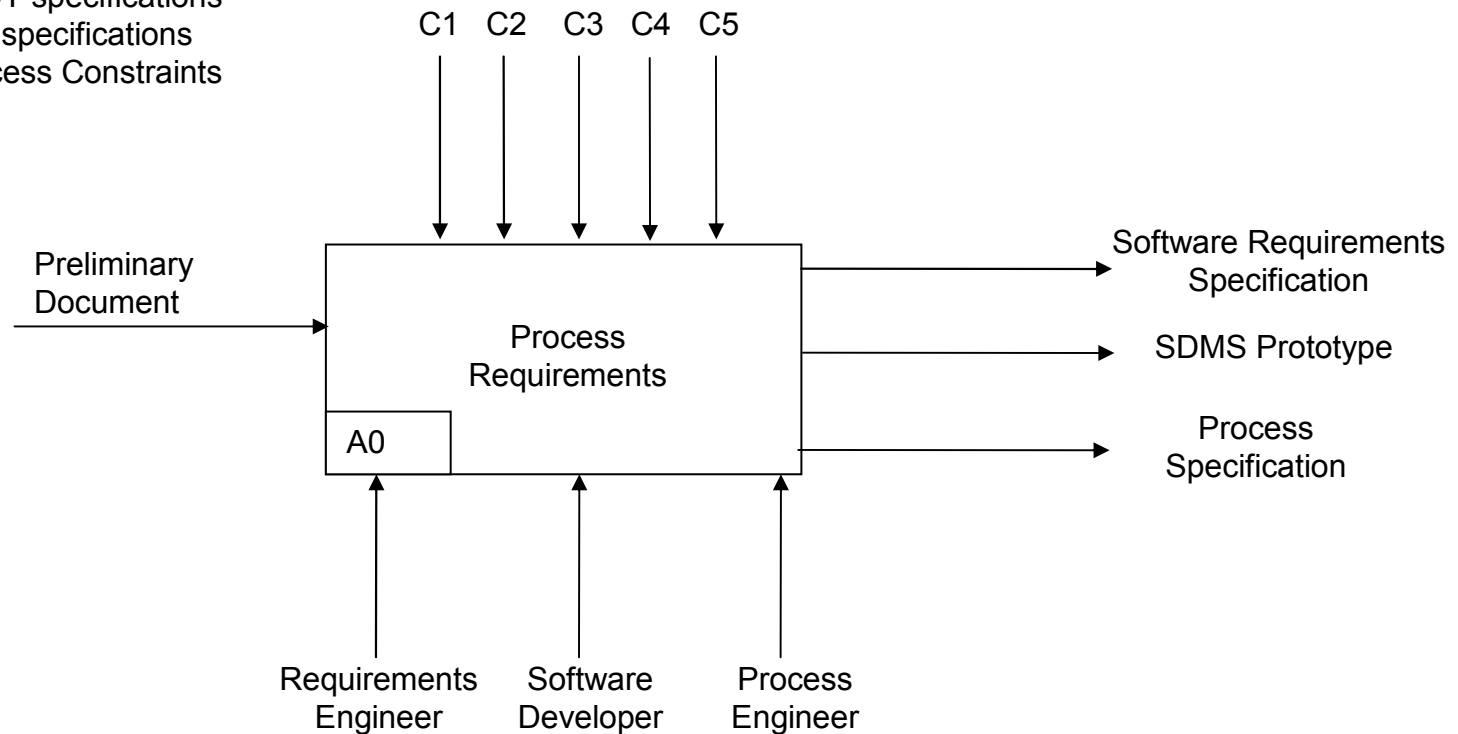
- Top-level SADT Diagram
- Detailed Diagram
- UML Activity Diagrams
- Soft-goal Interdependency Graph (SIG)



Process Specification

Top Level Diagram

- C1: Requirements Specification
- C2: UML specifications
- C3: SADT specifications
- C4: SIG specifications
- C5: Process Constraints





Process Specification

Detailed Diagram

[Phase 1](#)

[Phase 2](#)



Process Specification

UML Activity Diagram – Phase 1

[Activity Diagram](#)

UML Activity Diagram – Phase 2

[Activity Diagram](#)



Issues

- Some meetings are organized and scheduled at the same time where partial attendance can be allowed.
 - The system does not keep any restriction over the timing of the meetings.
- Information about meeting should be secure.
 - Every user should login into MSS using a user id and password.
- The goal to build a maintainable system can be defined using various attributes that make software easier to maintain
 - Considering the time constraints the team shall develop the MSS with a user-friendly Graphical User Interface. The team shall use structured coding techniques thus making the code modular, modifiable and more readable.

Product Specification

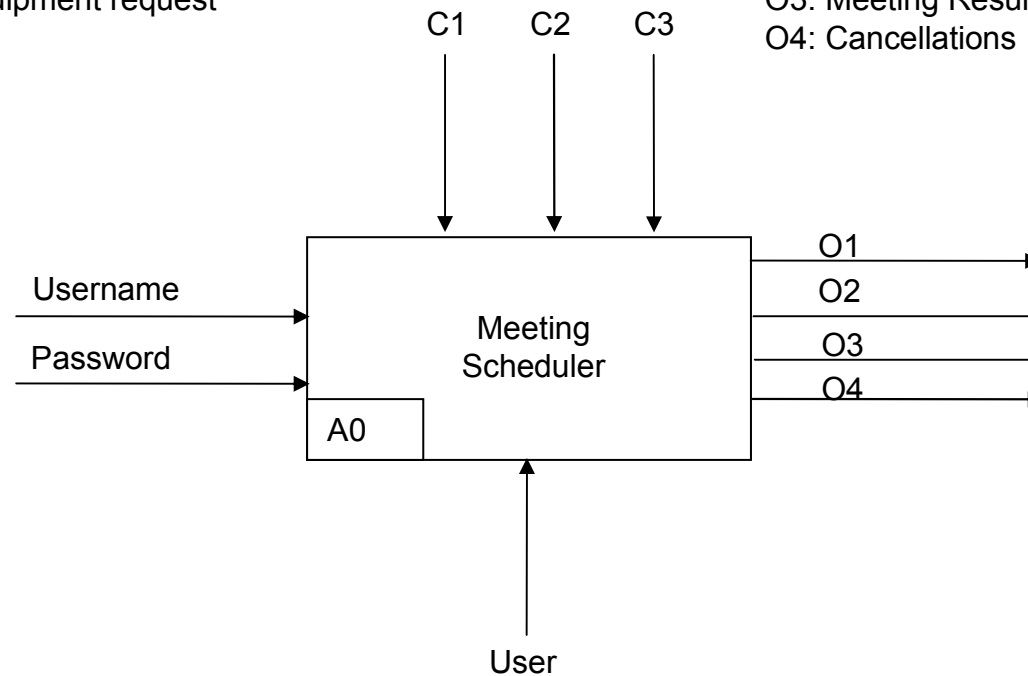
Meeting Scheduler System



Top Level Diagram

C1: Meeting Details
C2: Participant Preference
C3: Equipment request *

O1: Meeting Invitation
O2: Participant Response
O3: Meeting Results
O4: Cancellations



* - For active participant only

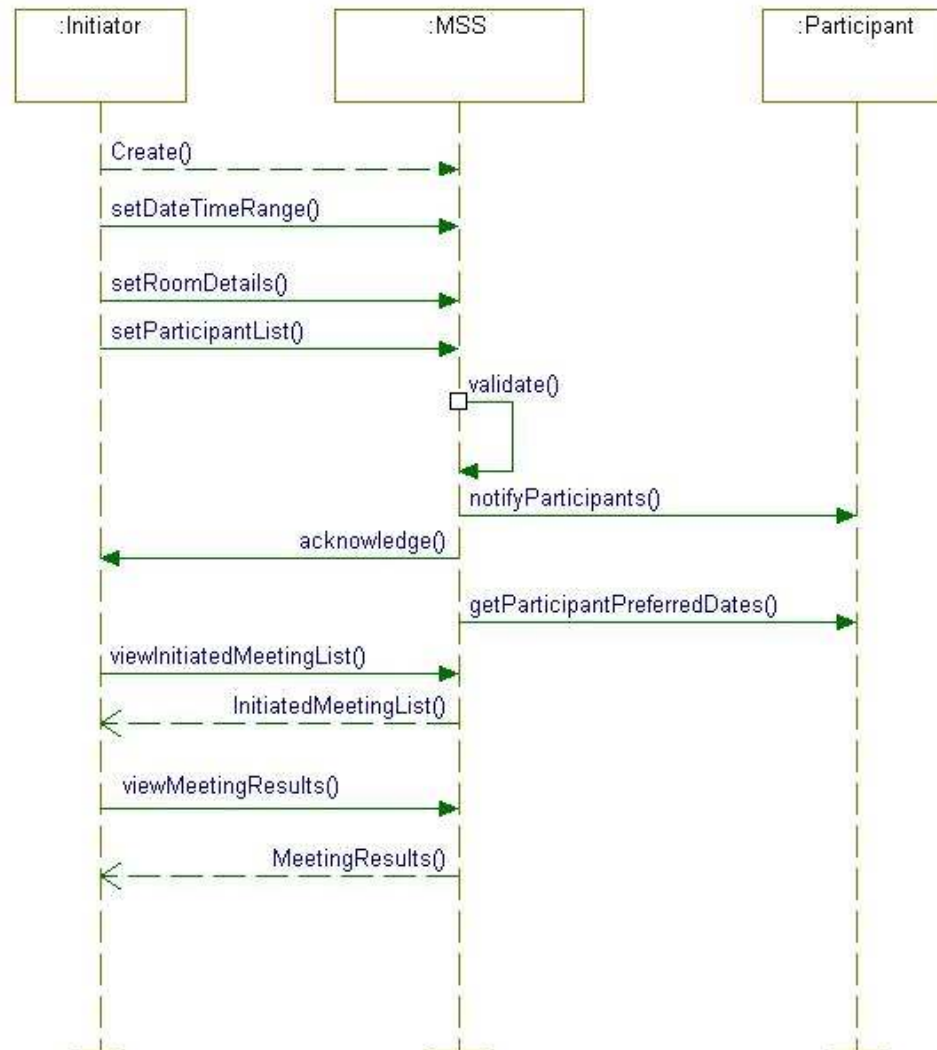
Product Specification (Usecase)

Meeting Scheduler System



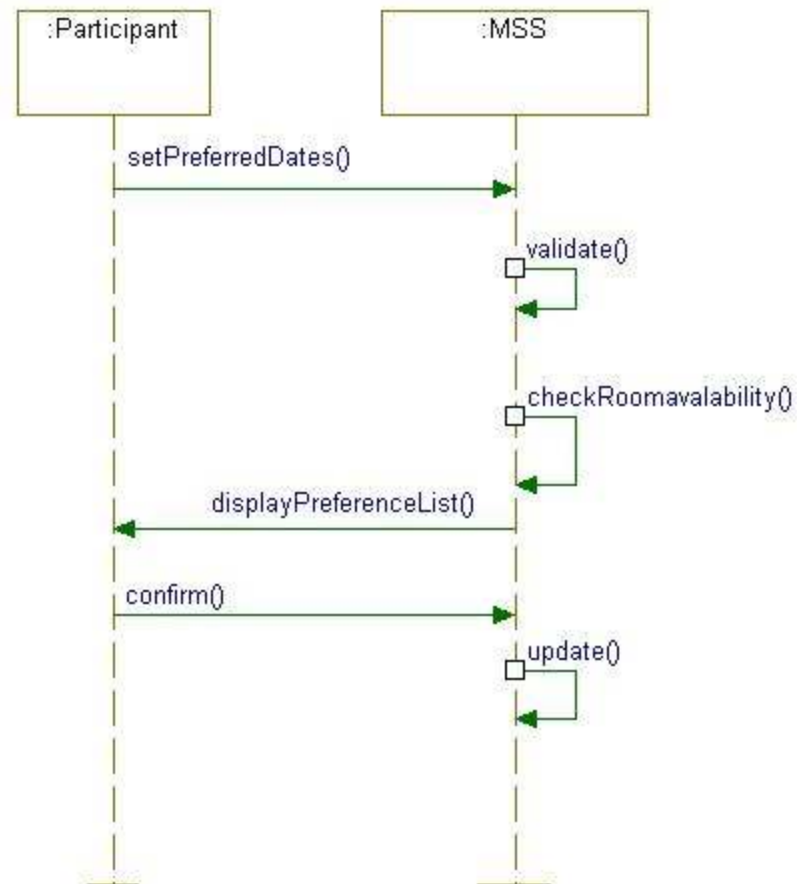
Sequence Diagram (Schedule Meeting)

Meeting Scheduler System



Sequence Diagram

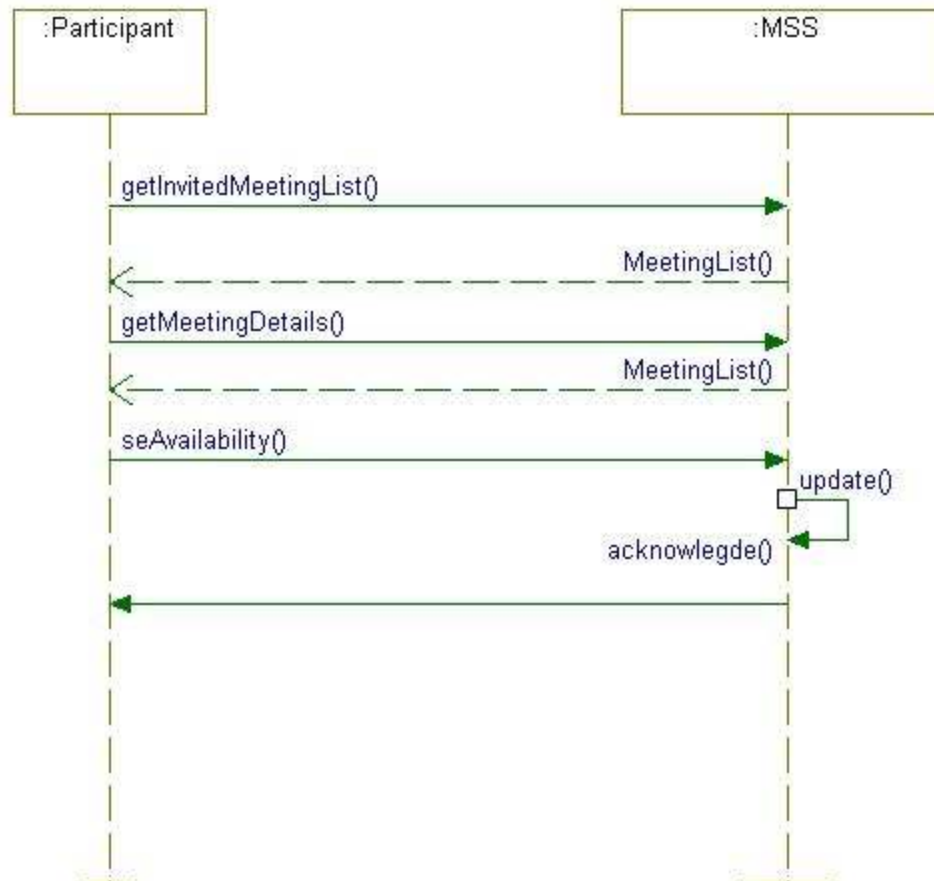
(Add Preference)



Sequence Diagram

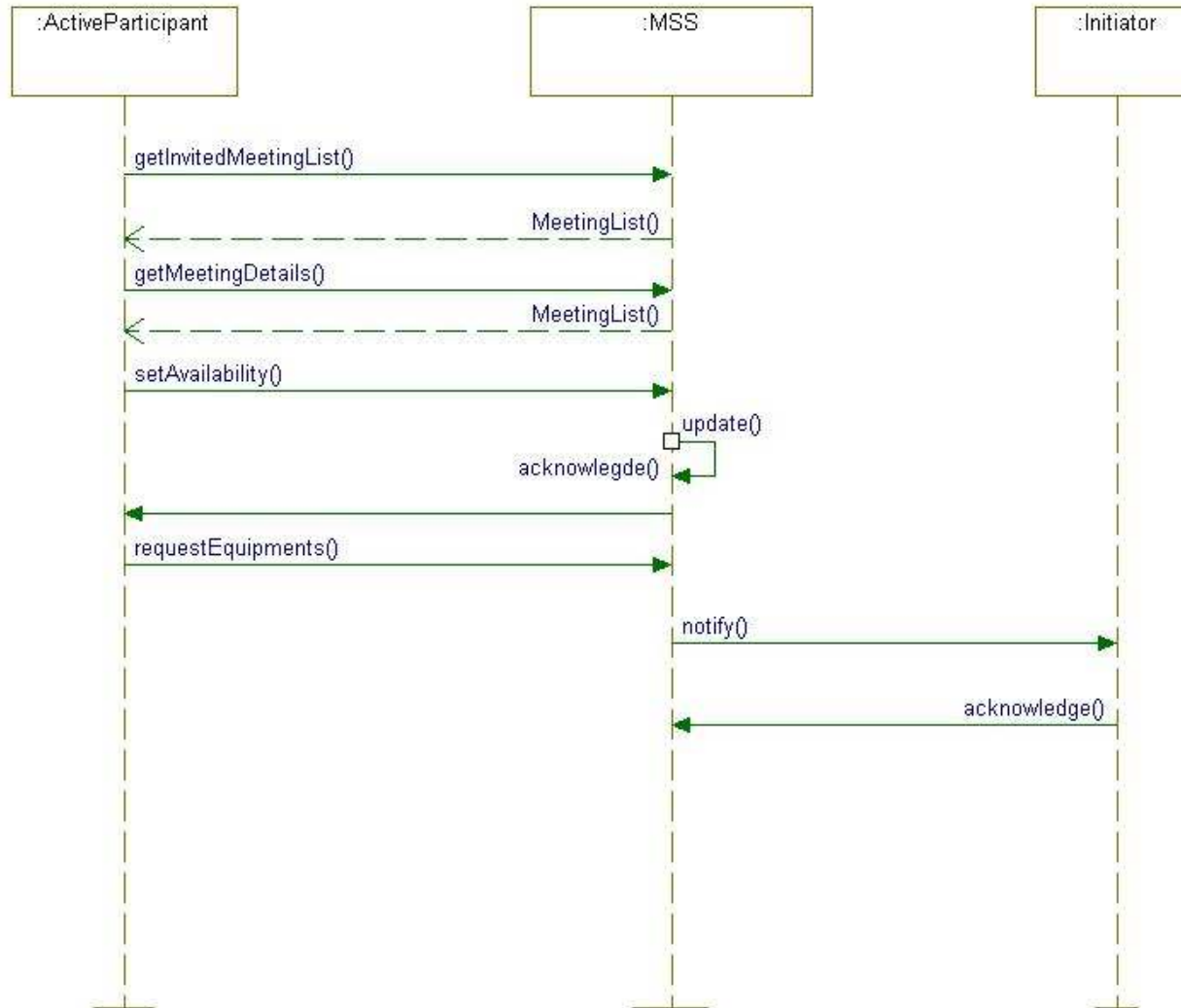
(Accept/Reject Meeting)

Meeting Scheduler System



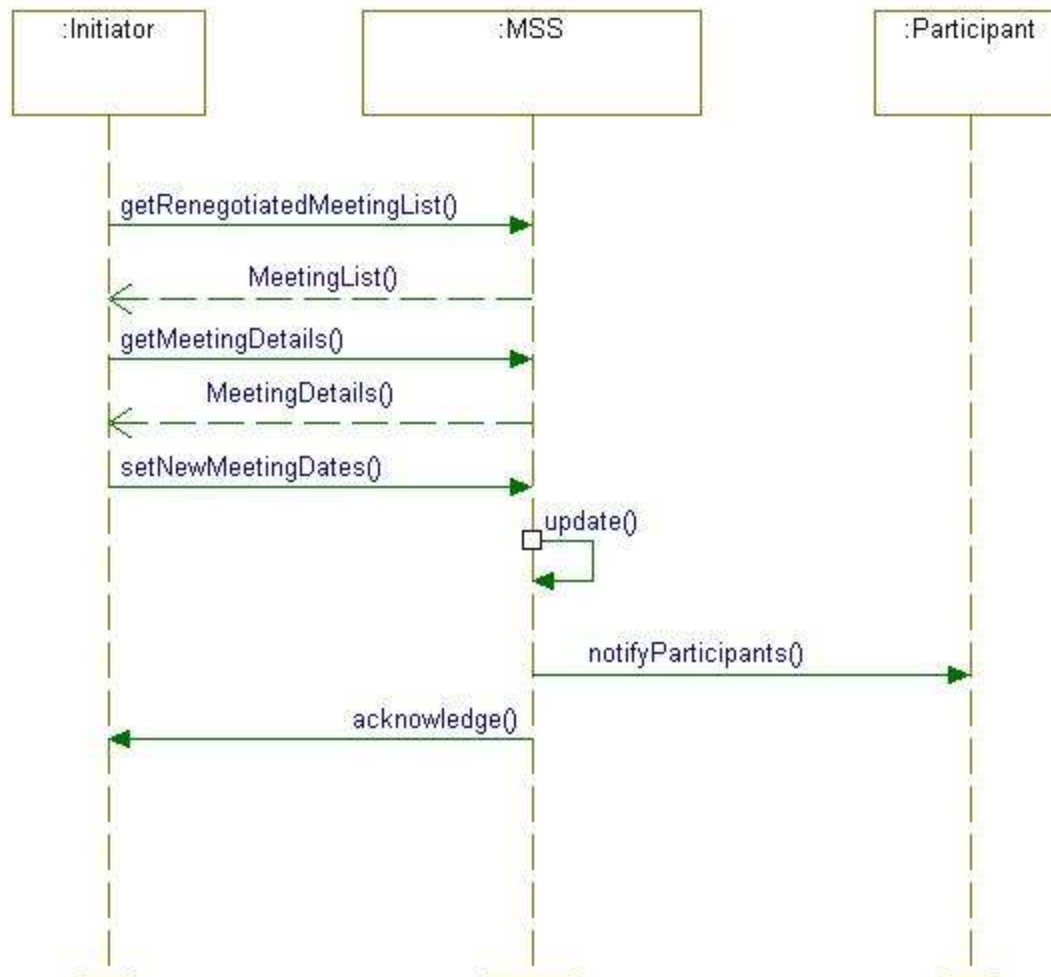
Sequence Diagram (Request Equipment)

Meeting Scheduler System



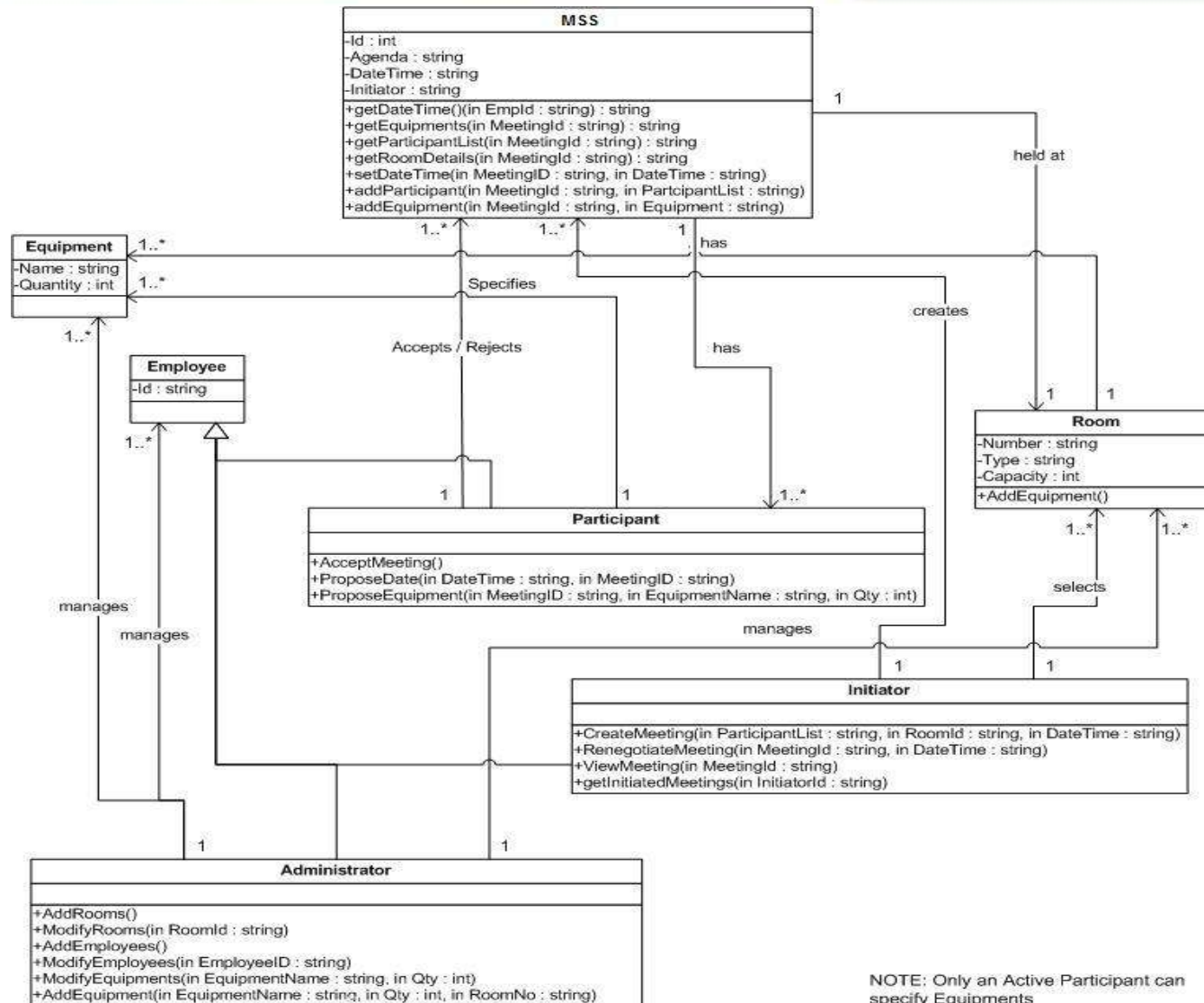
Sequence Diagram (Re-negotiate)

Meeting Scheduler System



Class Diagram

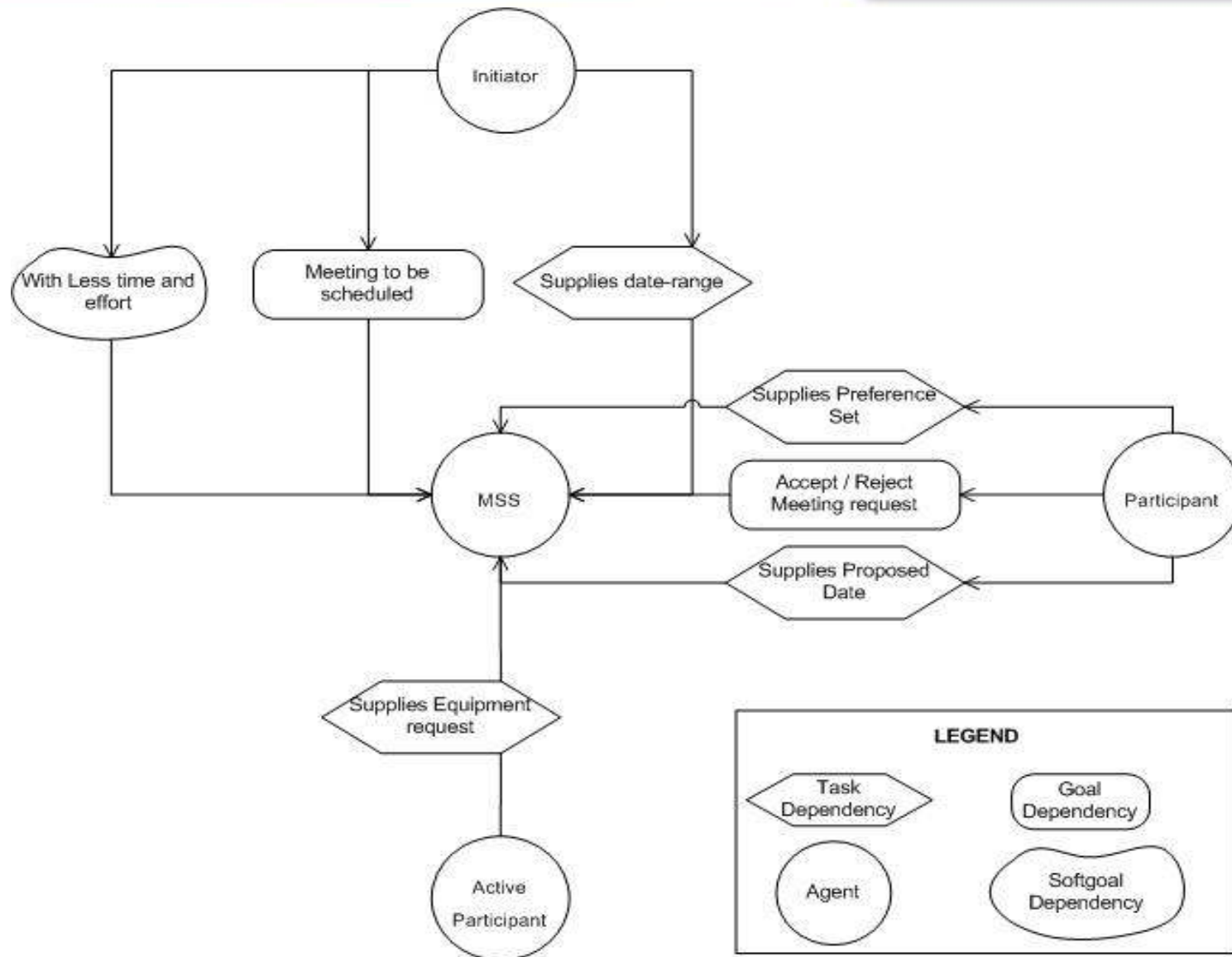
Meeting Scheduler System



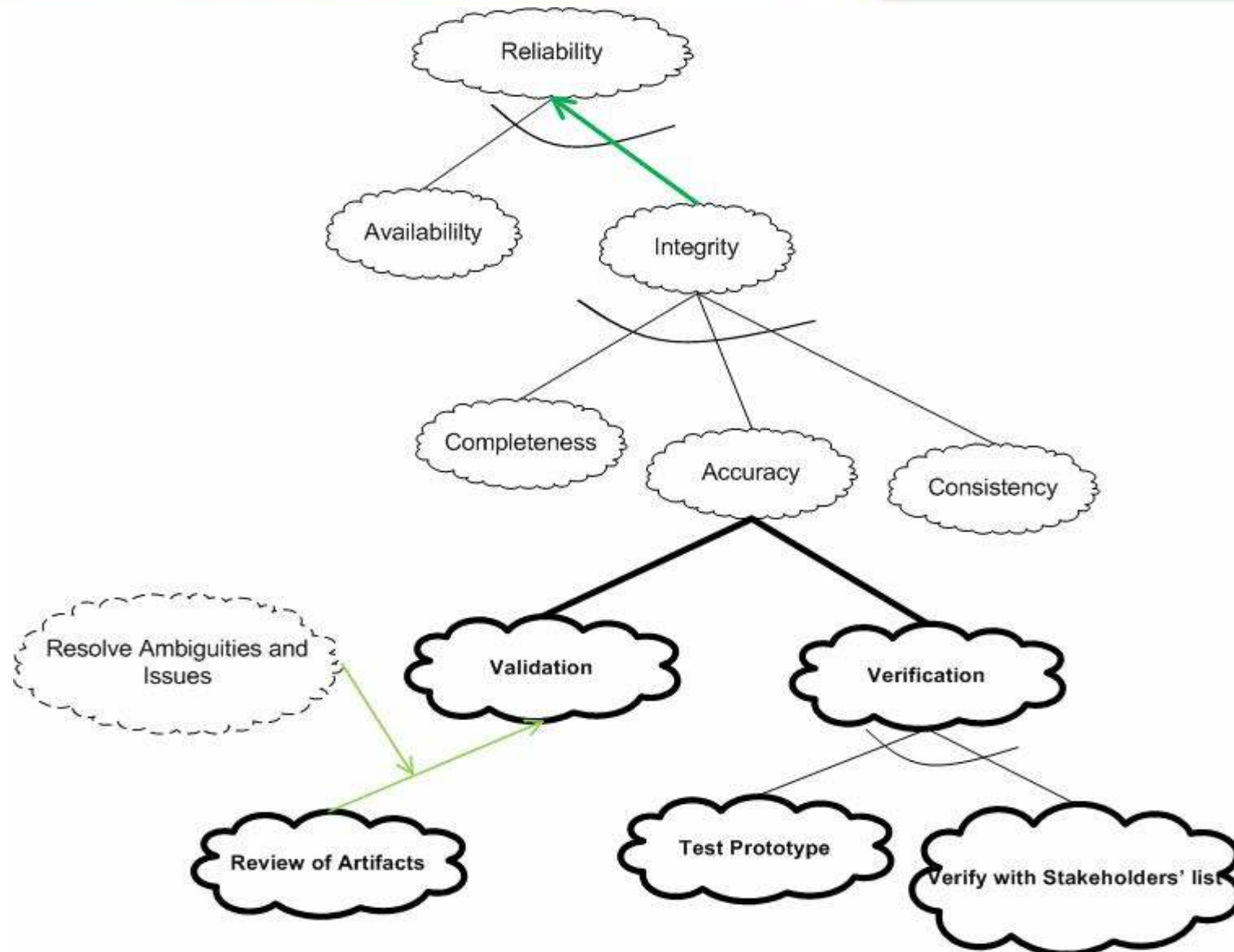
NOTE: Only an Active Participant can specify Equipments

Structural Dependency Diagram

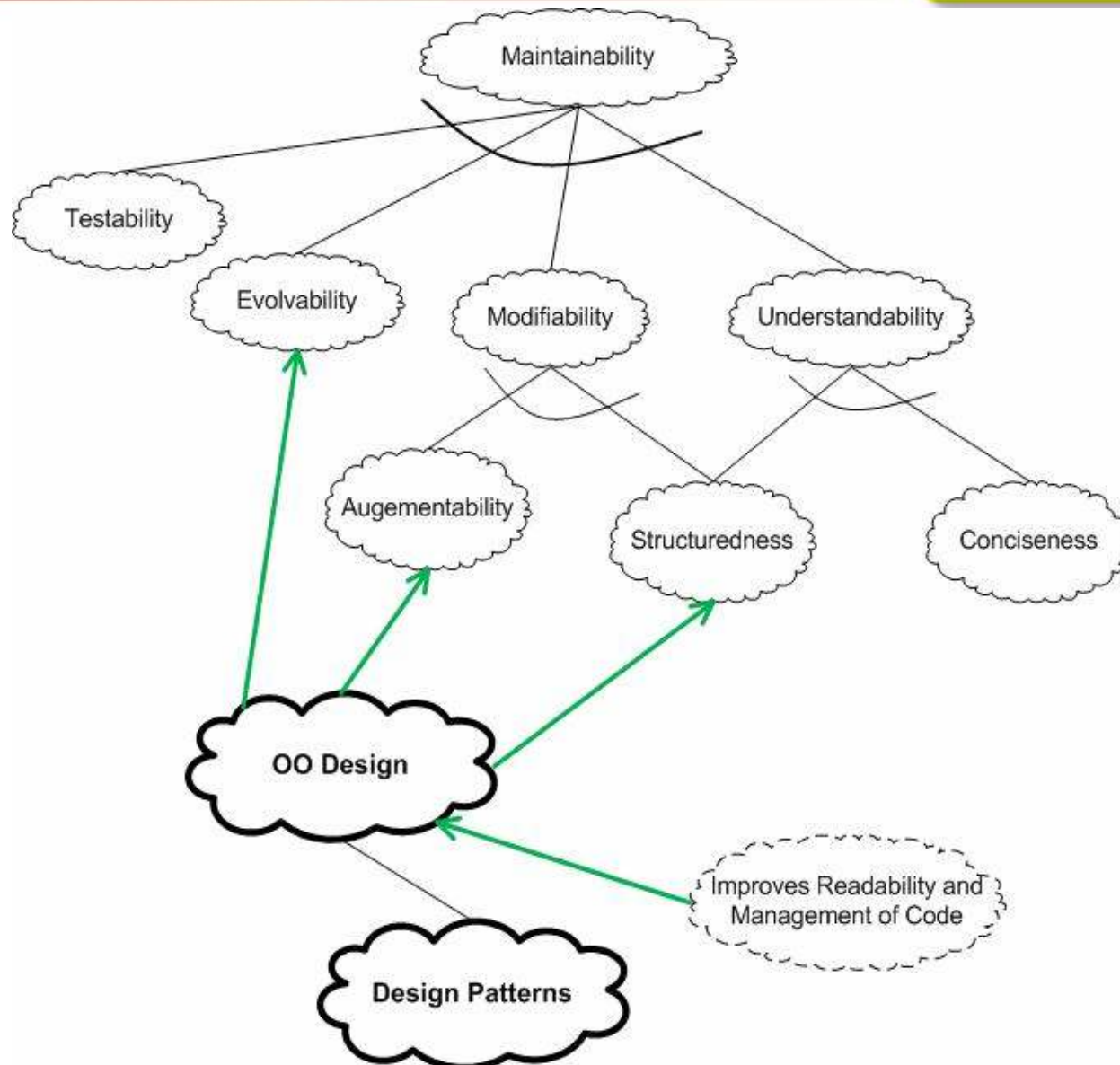
Meeting Scheduler System



SIG – Process NFR (Reliability)

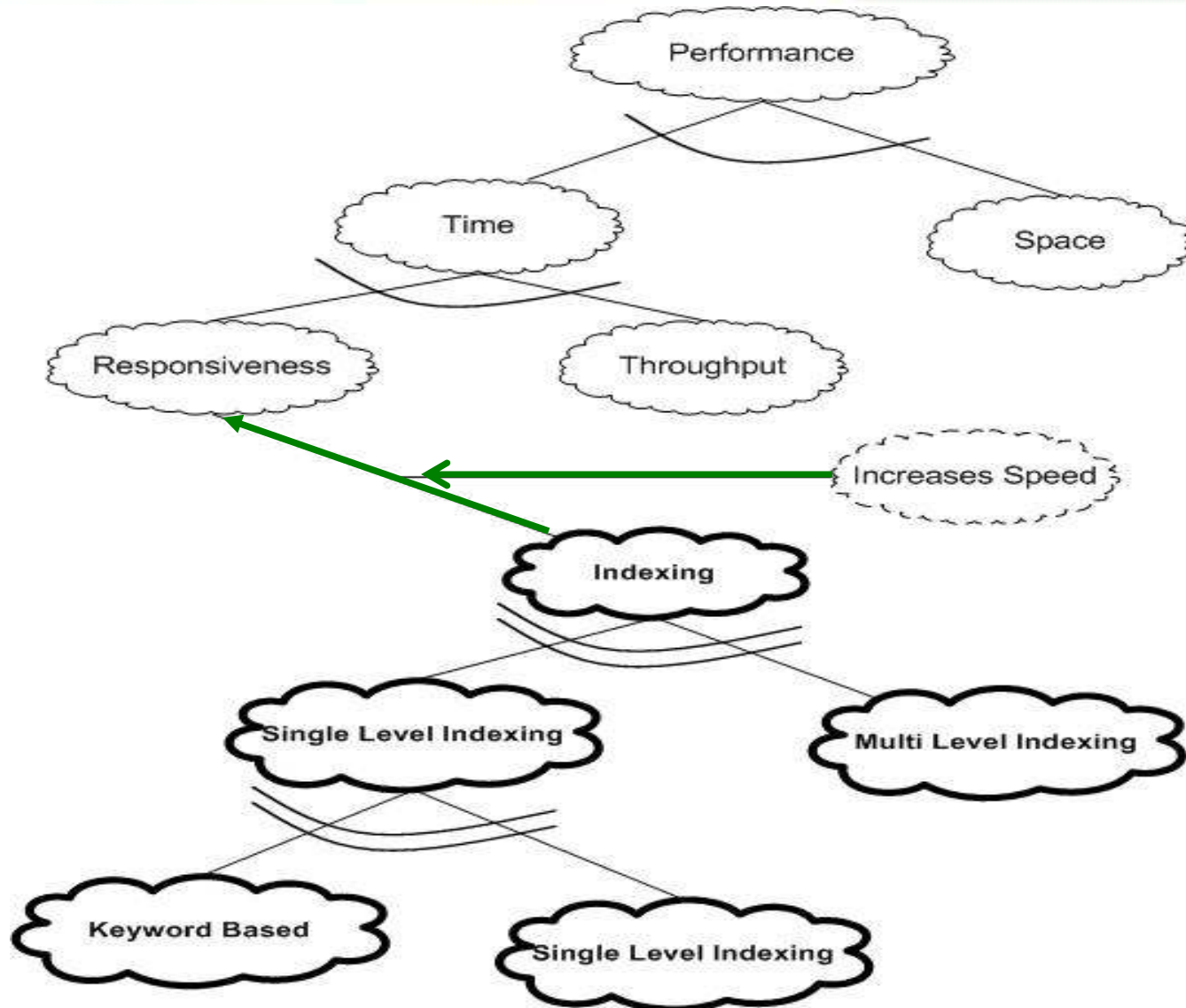


SIG – Process NFR (Maintainability)

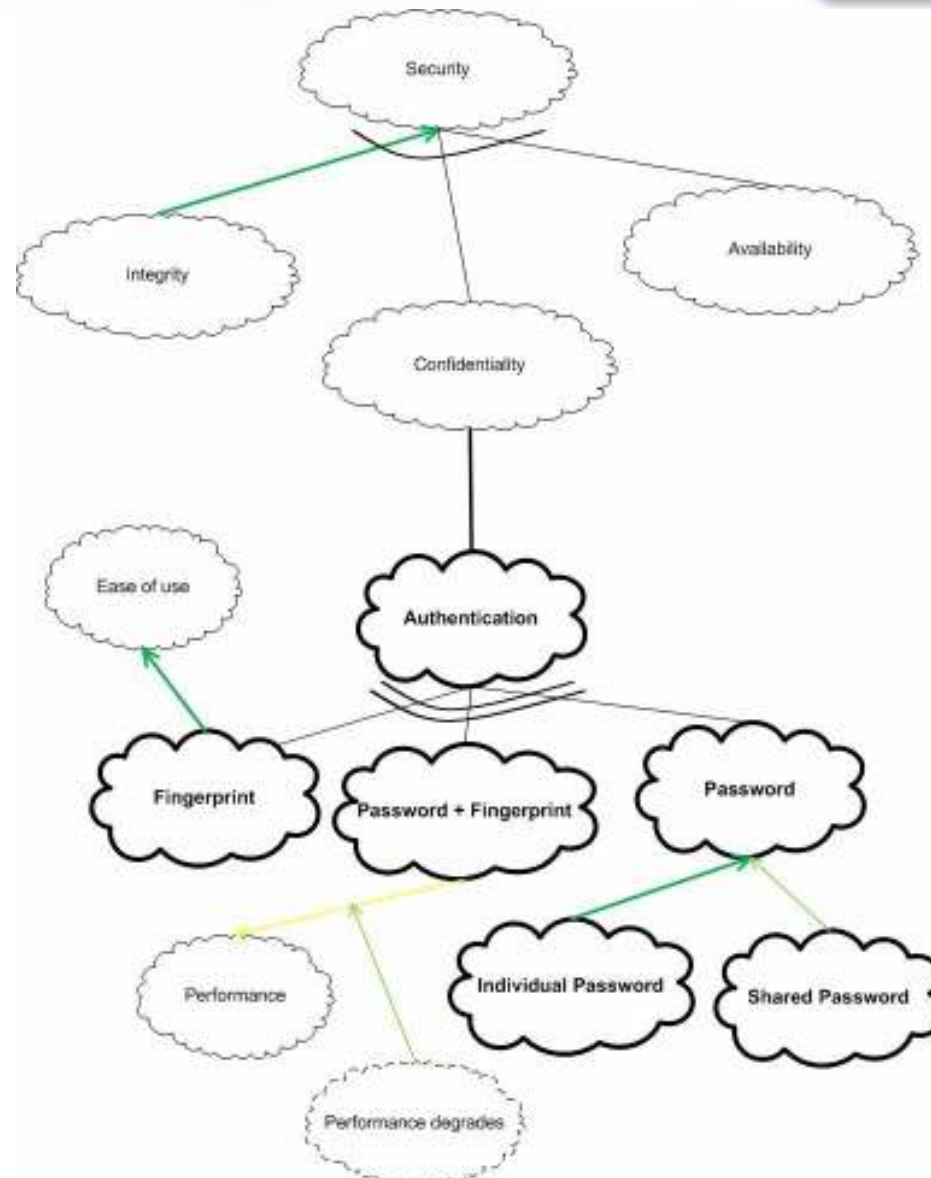


SIG - Product NFR (Performance)

Meeting Scheduler System



SIG – Product NFR (Security)



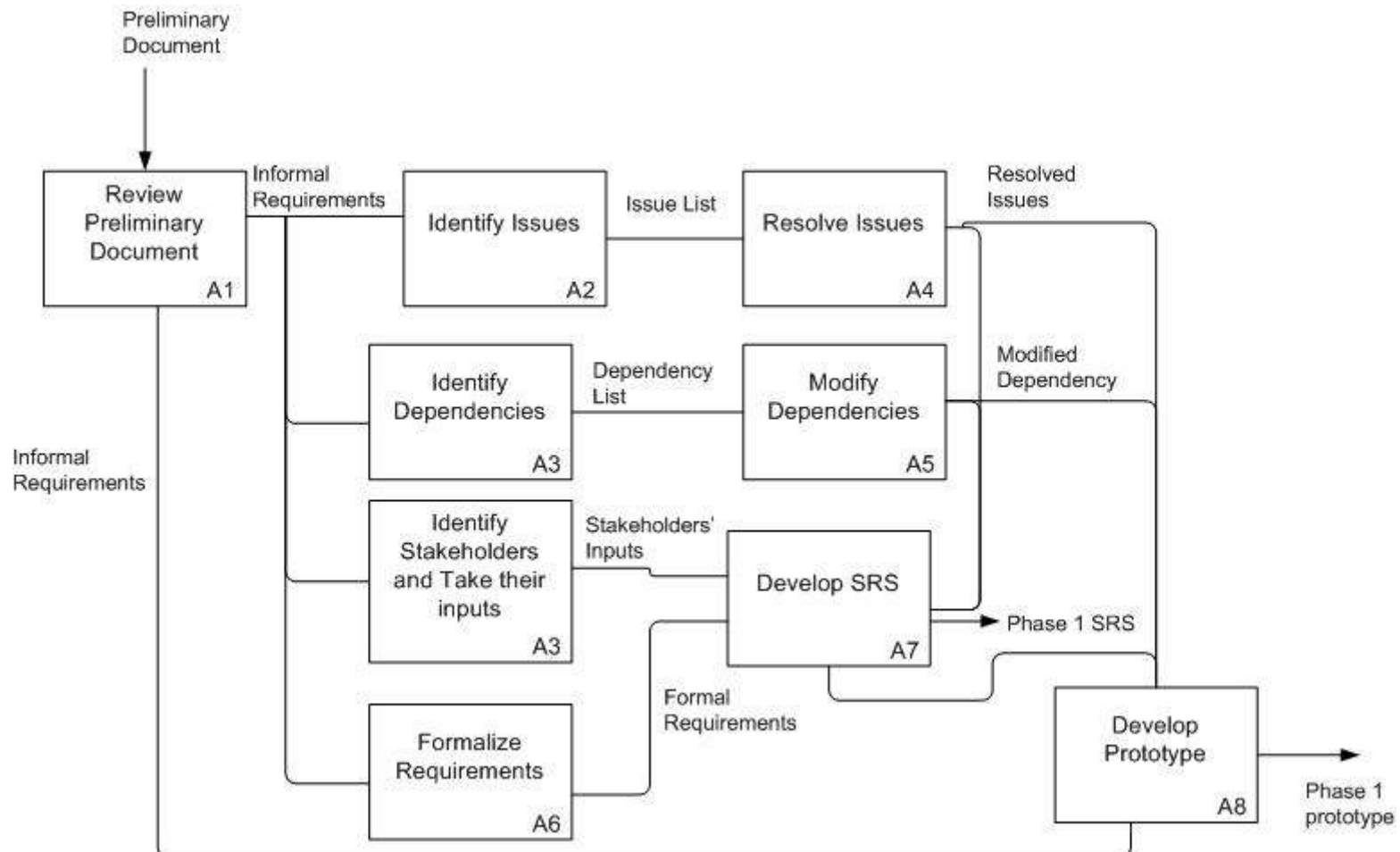


THANK YOU



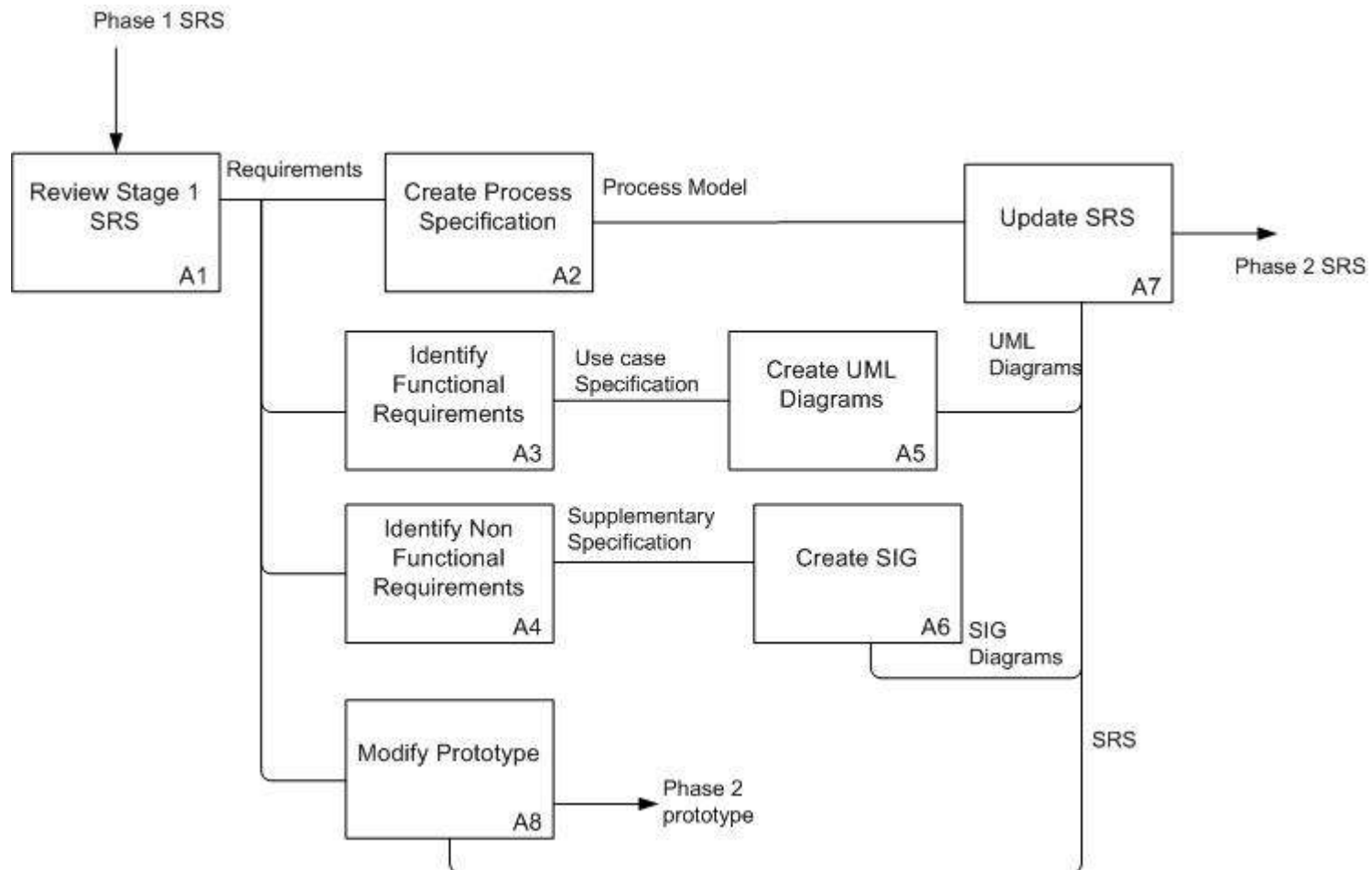
QUESTIONS ???????

Meeting Scheduler System



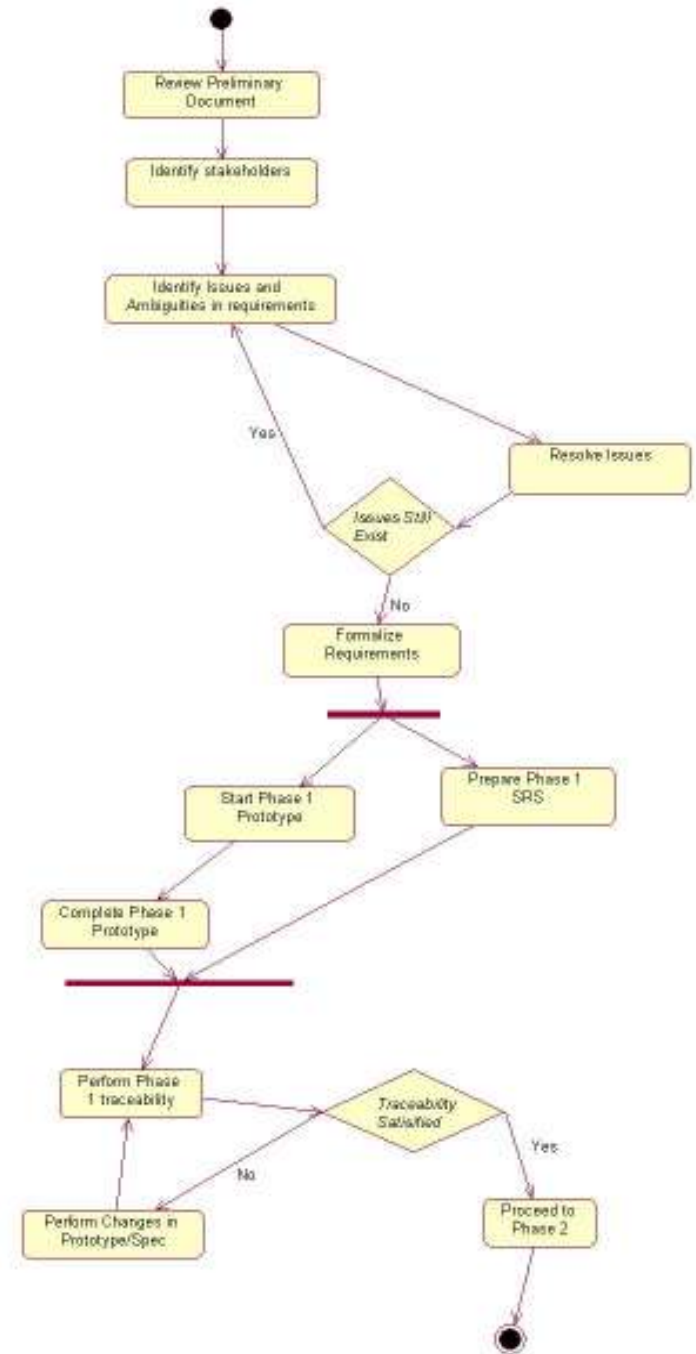
Phase 1 IDEF0

Meeting Scheduler System



Phase 2 IDEF0

Phase 1 UML (Process)



Phase 2 UML
(Process)

