**Week6**

## Hours Spent on Topic

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| --- | --- |
| Lecture | 2 |
| Tutorial | 2 |
| Study & Logbook | 1.5 |
| Total | 5.5 hours |

## Learning

In tutorial we study Software Lifecycle and Development Processes, is about Inception, Elaboration, Construction and Transition, and we know Cycles are not Strictly Sequential, we also study Development Models about Development Models, The waterfall model, Prototyping, and The Spiral Model.

## Reflections

In practical, I just learn a lot of diagram about User Case Diagram, Activity Diagram and Dataflow Diagram in [www.visual-paradigm.com](http://www.visual-paradigm.com), So I spend a few hours on here to see what is right diagram we need to learn, and I use app.diagrams.net to draw some examples at my SRS.

**Week7**

## Hours Spent on Topic

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| --- | --- |
| Lecture | 2 |
| Tutorial | 2 |
| Study & Logbook | 2 |
| Total | 6 hours |

## Learning

In tutorial we study Software Architectural Design, The SE Major Types of Activities about Engineering and Management, We have Design criteria, Design process, We also study Software architecture, Advantages of explicit architecture and conflicts, it always is a block diagram, and we study a lot of models about The Repository Model, The Client-Server Model, The Abstract Machine Model, Sub-systems and modules and Pipeline model.

## Reflections

Starting this week, I'm getting closer to submitting SRS, so I spent a lot of time learning to spend on UML diagrams, my job is create an Activity Diagram and an Dataflow Diagram for a expanded User Case about Define Ticket Types and Capacity, and a System Level DFD, So I spent more time than usual on it.

**Week8**

## Hours Spent on Topic

|  |  |
| --- | --- |
| Lecture | 2 |
| Tutorial | 2 |
| Study & Logbook | 3 |
| Total | 7 hours |

## Learning

This week our topic is Analysis - Class Modelling, UML Notation for

Basic Class Diagrams, like Notation, Visibility Prefixes, Aggregation, Multiplicity, Composition, Conceptual model, Use the (common) Concept Category list to identify candidate concepts from the SRS and use cases plus any other information sources, Use noun phrase identification\* to identify candidate concepts in the SRS and use cases plus any other textual descriptions of the domain, Add the necessary\* associations between them and attributes.

## Reflections

**My contribution for the SRS:**

Draft version:

2.1 Product Perspective

2.2 User Characteristics

2.3 General Constraints

Final version:

Activity Diagram for Use Extended Case 4: Define Ticket Types and Capacity

Dataflow Diagram for Use Extended Case 4: Define Ticket Types and Capacity

Level 0 Dataflow Diagram for entire system

Level 0 Dataflow Diagram for entire system