

Toufic Shoukeir

Computer Networks for Engineers

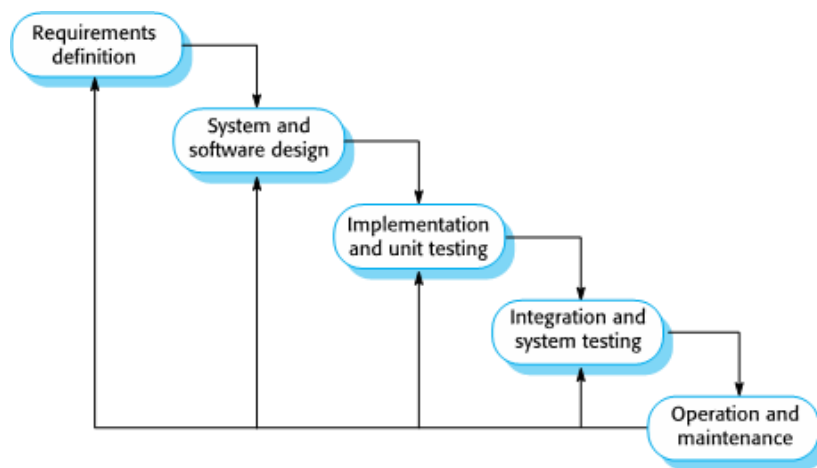
Section 01

Assignment 2

Professor Rawlins

19 May 2025

Waterfall Model



1. Requirements and Definition (~week 2/3): This consisted of the feasibility study, checking if our project was achievable and maintainable. This also consisted of our requirements elicitation, giving information on what we have used for information. Requirements specification was included here as well, and that was where we defined each class of user types and their capabilities. For requirements validation, that is where the group members looked over this document.
2. System and Software Design (~week 5): This included the architectural design, interface design, component design and database design. Each part consists of the plan to decide each element, respectively. This is where a summary of each type of element is given (architectural design, components, interface and database).

3. Implementation and Unit Testing (~week 7): This consisted of our implementation and software validation details. Implementing each element and how everything would be tied together is defined here. This includes component testing, making sure each element works as expected during production.
4. Integration and System Testing (~week 9/10): This consists of our system testing and acceptance testing, which will come into play after integration of the databases. We will be able to use our actual database tables to test our system and make sure it works as expected.
5. Operation and Maintenance (~week 11): Make sure UI is presentable and usable, fix any bugs, and prepare for future changes based on input from others experience using the system.