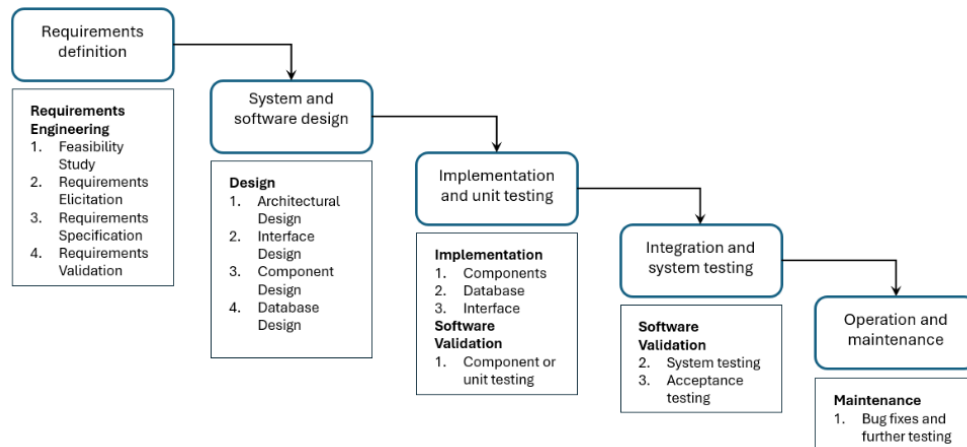


Manreet Kaur

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Applied Programming Concepts

Waterfall Model



Requirements definition: scheduling system like LeopardWeb. The system will allow students, instructors and admin, to add courses, print schedules, etc. The database will have 100 students, 10 instructors, and 1 admin.

System and software design: designed webpage with user interface. Different case diagrams and defined system components with smooth flow.

Implementation and unit testing: test different conditions. (For example, if a student logs in, instructor logs in, and if the admin logs in. Ensure that each function works as intended.

Integration and system testing: test the system. Verify that the different components are working properly as required and stated in the problem statement.

Operation and maintenance: monitor performance. Get feedback, fix any bugs and make sure everything works as expected.