

Slide 7 – Lifecycle Models

Requirements gathering and designing of the project should be done meticulously before starting with implementation – As, understanding the users' expectations intricately and then making a plan to execute it in the initial phases is critical – **because later we correct an error or a missing implementation, the higher it costs.**

As in the 5th worksheet, the project we got was missing some main features, such as editing and deleting the data of the product by the specific user who has added it, but now when all the coding has been already done and the test cases have also been created accordingly, implementing such change and additions to already existing code has become tedious, which we tried doing using several approaches but eventually it is affecting the other functionalities of the software project. Had these features been added during the earlier phases of development, it would have been much easier to integrate these features in the project during those phases.

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It is necessary to specify all the requirements precisely and fully in the software requirements document, so that the developers can understand easily what we expect as users from them. But as it was the starting of the course and we were not that accustomed with it so we lacked the addition and precise definition of all the requirements that we expected in our project in the software requirement document that we submitted as a team during the first assignment.

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Proper planning and task division is necessary beforehand – and we should not panic due to shortage of time and just start doing the work without proper planning as this may eventually have some repercussions on the final project outcome.

Although all the theoretical and practical aspects of software development were impeccably covered by this course. But, the aspect of software development that we considered missing in the lectures was to teach how can we collaborate better on individual level in groups. To elaborate, the general discussion about how the work could be better segregated between the team members and then integrated eventually. This aspect could be introduced in the course just as a discussion before the task exercise of implementation starts.