Software Engineering

Assignment #1

1. List down your individual experiences in developing the software for any of your previous projects.

- While developing the project the first issue that we encountered is finding the companies or the customers who allow us to do a project for them.
- Gathering the requirements from the user was also one of the most difficult task.
  Every user in the company or the shop used to explain the requirements in their own way.
- Once we gather the requirements, we need to understand the requirements of the client so that we can develop the project according to their needs.
- Working in a group has its own advantages, if a team member lacks any skill, the other team member who has those skills can work in that area. This helps in completing the project in the given amount of time.
- After the requirement gathering, we moved to analysis phase, to analyse the current system disadvantages which the proposed system which we had to develop will remove.
- Then we moved to feasibility study where we needed to check if the proposed project is technically, operationally and economically feasible.
- It was challenging to do the feasibility study as the project should complete in the given time. It should also be affordable as well as beneficial.
- When we started to work on the design of the system, we had to regularly make it to be reviewed it to the customers. Multiple changes had to be done according to the client requirements and as guided by our project mentors.
- Designing the DFD and ER diagram took most of the time.
- Once, the design was ready we moved to we moved development phase. Here the work was divided between the team members according to their area of interest and skills.

- In the development phase as well we faced a lot of challenges such as frequent errors in the code, which took time to be removed, bugs while testing, fulfilling all the requirements of the user and completing the project in time.
- So, in my experience working on a software development project is very challenging as:
  i. There are a lot of issues during the requirement gathering of the project.
  ii. Understanding the requirements of the customers.
  iii. Fulfilling all the necessary requirements of the clients.
  iv. Keeping the track of the project schedule to finish it in the given time.
  v. Integrating different technologies also gets difficult.
  vi. Getting the right people in the project team who can contribute to the development of the project is also difficult.
  vii. Multiple bugs in the software while testing it also makes the work difficult

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