Software project development

➢ The biggest problem we faced was inability to work parallely on different computers.
We tried to use dropbox and work,but then it had to be copied again back to main project.
So we did most work on a single computer .This used lot of time.
So we have realized to initially define classes and modules in a project more independently and use a version control system like git etc. so that each individual's time and progress could be enhanced.

➢ In the analysis phase, we did discuss and note on paper. But finally realized that it should be written more formally and under the framework or tools we are using before designing structure.

➢ We should have noted down all bugs and errors we faced immediately and also the method used to solve that. We did do it for some bugs, but due to lack of proper human resource management, could not maximize this.

➢ Setting Time-line of project progress and regular progress (or software) measurement would have made our project better.

Features we wanted to include but could due to lack of time:
Therefore want to include in next version--

✓ Displaying current status of all rooms along with info of guest staying in that.
Adding a search in it that can search based on any entry. We could do it, but first we wanted to complete minimum requirements. Editing feature too to change anything.

✓ **Discount:**
We have based it on total amount already paid by customer to the hotel.
We can add feature of discount based on:
Company, and any other festival discounts.

✓ **Security Issues:**
We have made an assumption that is not very realistic in real world.
Receptionist is a loyal employee, hence would not try any SQL injection or such stuff.
We want to do MD5 hashing in login and secure from SQL injection.

✓ **Conclusion:**
This project has taught us the difficulties faced and our mistakes in the software process development. We have realized that many practical problems arise.
Hence formally doing following the principles of software engineering would lead to a WIN- WIN situation. Therefore, we believe that we will do much better next time.
THANK YOU.