

Experiment No: 01

Aim:

Prepare detailed statement of problem for the selected / allotted mini project and identify suitable process model for the same with justification.

Case Study:

Online Job Portal

Problem Statement:

The employment has been made manual in the past many years upto this current situation where everything has totally changed due to technological changes. The traditional mode of employment takes a lot of steps from advertisement, application, verify application and conduct interviews therefore consuming a lot of time. The technology is also advancing most job recruitment process has a bit changed though some problems still occur. Most companies have developed websites where they advertise their jobs and still go back to traditional way where application form is downloaded and filled then submitted to the company for further verification then be called afterwards for the job. The problems with this current system include the following.

1. It is not easy for the job seeker to apply for a specific job he/she needs because the job description sometimes does not cover up everything.
2. It is expensive for the job seeker to submit the application form in person to the company.
3. In some cases it might not be efficient because not everybody is conversant with company websites that exist therefore only few applicants can read the post and apply for the job.
4. Paperwork still exists as the application form is downloaded instead of being submitted online.
5. There is no chance of uploading Curriculum Vitae (CV) and also the members cannot update their profile.

All the above mentioned problems can be solved with the development of the web portal where job seekers can create their accounts, upload their Curriculum Vitae (CV), apply jobs online, update their profile regularly and wait for a reply. Moreover, the job seeker has a chance to apply the best job that suits his/her specific job skills. The job portal will also help job seekers who don't know various companies and other employers unlike in the current system where websites are used where few people are aware of the existing company. The portal will be a solution to many who were in need of their dream jobs because they will search for it online and be able to apply online too.

Software Process Model:

For this project, we have selected Spiral Process Model because of the following reasons:

- It is a combination of waterfall model and iterative model.
- Risk handling is one of important advantages of the Spiral model, it is best development model to follow due to the risk analysis and risk handling at every phase.
- Risks can be identified and rectified before they get problematic.
- Change requests in the Requirements at later phase can be incorporated accurately by using this model.
- Each phase in spiral model begins with a design goal and ends with the client reviewing the progress. The same activities are then repeated for all the spirals till the entire software is build.
- Development is fast and features are added in a systematic way in Spiral development.
- Flexibility in requirements as in this model, we can easily change requirements at later phases and can be incorporated accurately.
- Customer can see the development of the product at the early phase of the software development thus they get habituated with the system by using it before completion of the total product.

Group Members:

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