SOFTWARE ENGINEERING

PROJECT REPORT

JOB PORTAL

GROUP NUMBER: 5

GROUP MEMBERS:

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Introduction :

The Job Portal is a website portal which helps in the candidates to review jobs posted by companies. The jobs are filtered for the candidates by matching the required marks for the job

and the marks of the candidate. The aim is to provide an efficient and easy way for candidates to seek jobs matching to their profile.

Process Model Selection:

We used RAD model as it enabled rapid delivery and it reduces the overall development time due to reusability of the components and parallel development.RAD model was applied successfully to the project as clear modularization was possible.

Requirement Gathering:

Inception: The idea to create an interface for the Job seekers/candidates and the company came seeing that there was no common platform to directly connect company with the Job seekers.

Elicitation: To allow companies post jobs on the web portal and employees to apply for the same according to their preference.

Elaboration: Initially we thought to just show the listed jobs to the candidates and let them contact the company via mail address provided. Then we added a feature to let the candidate apply for the company through our site.

Negotiation: As it is complex to filter jobs for the candidate on basis of parameter required for matching such as coding language, Area of interest etc. we implement segregation based on HSC and B.E marks.

Specification: The details for candidate and companies were taken from the registering entities.

Validation: The entire team met and discussed the entire requirement in detail.

Diagram:



Data:

Company

Company id: Primary attribute to identify any company.

Company name username password: email id: company credentials

Employee

Employee id: Primary attribute to identify any employee

Employee name username password email id hsc marks B.E marks: employee credentials

Jobs:

Job id: Primary attribute

Job description, company id, employee id,vacancy: job details

Job\_apply\_status:

Application id: Primary attribute for applied job

Job id, company id: job specifications

User\_info

Username: stores username

Password: stores password

Data Flow Diagram:



Architecture:



Component Level Design:

Company UI:

 Candidate UI:

**Number of Modules**

The system after careful analysis has been identified to be presented with the following modules:

The modules involved are:

1. Company Page: This page allows company to post jobs and accept/deny the request for a particular from a candidate. Also it lists out all the candidates registered on the portal.
2. Candidate Page: This page lets candidate view jobs according to their preferences and apply for the same. It also lists out all the companies registered on the portal.

Risk Identification Checklist

Product Size Risks

· Estimated Lines of Code(LOC):

The Job Portal has an estimated 1500 lines of code.

·Estimated number of programs, files:

The program has 17 PHP files.

· Size of database created and used:

The database used was MySQL. We created 4 tables with each having varying field count.

· Number of users:

The number of users will be fairly low. There can be multiple number of users logged in at the same time from different locations accessing the portal at the same time.

Business Impact Risks

Effect on company revenue:

* The Web Portal will be hosted as an non-profitable software which can be used without any charges.

Reasonableness of delivery deadline:

* Fairly reasonable. The project deadline was established before the project was undertaken. The initial planning for Job Portal was executed with the deadline in mind. The scope of the project was limited to keep the project within the allowed period of time.