IT - 314

SOFTWARE ENGINEERING

Group No - 13

Lab- 3 (Task-3)

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Task 3 :

● Develop sprints from the product backlog

      ● Specify your sprint details with an estimated timeline for development (use FP or OP for the estimation)
      ● Estimate how many sprints you can develop in your course project

The formula to calculate the Function Points (FP) is:

UFP = (EI×4)+(EO×5)+(EQ×4)+(ILF×10)+(EIF×7)

CAF = 0.65+(0.01*(14*3)) = 1.07

FP = UFP×CAF

where:

- **EI** = External Inputs
- **EO** = External Outputs
- **EQ** = External Inquiries
- **ILF** = Internal Logical Files
- **EIF** = External Interface Files

Each parameter is multiplied by its respective weight **(4, 5, 4, 10, or 7)**, and the sum is then adjusted by multiplying by **CAF**.

Sprint Plan for Job Matching Platform

Project Name: Job Matching Platform

Total Sprints: 6

Estimation Method: Function Points (FP)

Sprint 1: User Registration and Profile Creation (3 Weeks)

1. **Admin Login**

   - **User Story:**As an Admin, I want to log in securely to access my account and keep my data safe.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

2. **Admin Logout**

   - **User Story:**As an Admin, I want to log Out securely to access my account and keep my data safe.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 0, EIF = 0
   - **FP:** 10 FP

3. **Job Seeker And Recruiter Registration**

   - **User Story:** As a job seeker, I want to register on the platform to start applying for jobs.
   - **User Story:** As a Recruiter, I want to register on the platform to post the jobs.
   - **Estimation:** EI = 1, EO = 2, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 26 FP

4. **Job Seeker And Recruiter Profile Creation**

   - **User Story:** As a job seeker, I want to create a detailed profile on the platform so that recruiters can learn more about my qualifications and experience.
   - **User Story:** As a Recruiter, I want to create a detailed profile on the platform so that job seekers can learn more about the company.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

5. **Job Seeker And Recruiter Login**

   - **User Story:** As a job seeker, I want to log in and log out securely to access my account and keep my data safe.
   - **User Story:** As a Recruiter, I want to log in and log out securely to access my account and keep my data safe.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

6. **Job Seeker And Recruiter Logout**

   - **User Story:** As a job seeker, I want to log out securely to keep my data safe.
   - **User Story:** As a Recruiter, I want to log out securely to keep my data safe.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 0, EIF = 0
   - **FP:** 10 FP

Total FP for Sprint 1: 106 FP

Sprint 2: Profile Management and Password Recovery (2 Weeks)

1. **Job Seeker and Recruiter Profile Update**
   - **User Story:** As a job seeker, I want to update my profile information to keep my details current and improve my chances of getting hired.
   - **User Story:** As a Recruiter, I want to update my profile information to keep my current details.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP
2. **Job Seeker and Recruiter Password Reset**
   - **User Story:** As a job seeker, I want to reset my password if I forget it to regain access to my account.
   - **User Story:** As a Recruiter, I want to reset my password if I forget it to regain access to my account.
   - **Estimation:** EI = 1, EO = 2, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 26 FP
3. **Job Seeker Resume Builder**
   - **User Story:** As a job seeker, I want to build a resume directly on the platform to create a professional document without external tools.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

Total FP for Sprint 2: 66 FP

Sprint 3: Recruiter Features (3 Weeks)

1. **Job Posting and Management**
   - **User Story:** As a recruiter, I want to post job listings.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

2. **Job Posting and Management**

   - **User Story:** As a recruiter, I want to update job listings.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

3. **Job Posting and Management**

   - **User Story:** As a recruiter, I want to delete job listings.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

4. **Admin Management of Job Postings**

   - **User Story:** As an admin, I want to manage job postings submitted by recruiters.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20FP

Total FP for Sprint 3: 80 FP

Sprint 4: Job Search and Application (2 Weeks)

1. **Job Search Functionality**
   - **User Story:** As a job seeker, I want to search for jobs by title or company name so that I can find opportunities that interest me.
   - **Estimation:** EI = 0, EO = 1, EQ = 1, ILF = 1, EIF = 0
   - **FP:** 20 FP
2. **One-Click Job Application**
   - **User Story:** As a job seeker, I want to apply to jobs with a single click so that I can quickly submit my application.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP
3. **Manage Applications and View Candidate Profiles**
   - **User Story:** As a recruiter, I want to manage applications and view candidate profiles.
   - **Estimation:** EI = 1, EO = 1, EQ = 1, ILF = 1, EIF = 0
   - **FP:** 25 FP

4. **Application Tracking**
   - **User Story:** As a job seeker, I want to track the status of my applications so that I know the progress of my job search.
   - **Estimation:** EI = 0, EO = 1, EQ = 1, ILF = 1, EIF = 0
   - **FP:** 20 FP

Total FP for Sprint 4: 85 FP

Sprint 5: Job Alerts and Feedback (1 Week)

1. **Job Alerts**
   - **User Story:** As a job seeker, I want to receive alerts for jobs that match my profile so that I don't miss new opportunities.
   - **Estimation:** EI = 0, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 16 FP
2. **Feedback Submission**
   - **User Story:** As a job seeker, I want to provide feedback on the application process so that I can share my experience with the platform.
   - **User Story:** As a Recruiter, I want to provide feedback on the application process so that I can share my experience with the platform.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP
3. **Account Deletion**
   - **User Story:** As a job seeker, I want to delete my account if I no longer wish to use the platform so that my data is removed securely.
   - **User Story:** As a job Recruiter, I want to delete my account if I no longer wish to use the platform so that my data is removed securely.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

Total FP for Sprint 5: 56 FP

Sprint 6: Admin Features (2 Weeks)

1. **Platform Performance Monitoring**
   - **User Story:** As an admin, I want to monitor platform performance.
   - **Estimation:** EI = 0, EO = 1, EQ = 1, ILF = 1, EIF = 0
   - **FP:** 20 FP
2. **Review and Respond to Feedback**
   - **User Story:** As an admin, I want to review and respond to user feedback.
   - **Estimation:** EI = 1, EO = 1, EQ = 1, ILF = 1, EIF = 0
   - **FP:** 25 FP
3. **Update Terms**
   - **User Story:** As an admin, I want to update terms.
   - **Estimation:** EI = 1, EO = 1, EQ = 0, ILF = 1, EIF = 0
   - **FP:** 20 FP

Total FP for Sprint 6: 65 FP

Sprint Summary

- **Sprint 1:** 106FP
- **Sprint 2:** 66 FP
- **Sprint 3:** 80 FP
- **Sprint 4:** 85 FP
- **Sprint 5:** 56 FP
- **Sprint 6:** 65 FP

Thank You