

**Discovering Knowledge**

**FYP logbook**

**Title of the Project**

**“Job Recommendation Assistant”**

**Group Members**

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| **Enrollment #** | **Name** |
| 02-131192-007 | M.AAKIF AIJAZ |
| 02-131192-050 | MUHAMMAD ASIM |
| 02-131192-084 | M.RAFI-UZ-ZAMAN |

**Supervised by**

FAIZ-UL-HAQ ZIA

**Department of Software Engineering**

**LOGBOOK ENTRY TEMPLATE**

**1**

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| **Semester:** | Spring Fall |
| **Date:** | 18th January 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

On 18th January 2023, we presented the suggestions received from the panel of internals to our group. We discussed various aspects of the project, including the database and admin page, and how it could enhance the user experience and improve interactivity of our system.

**Supervisor:**

The supervisor acknowledged the valuable suggestions provided by the panel of internals and expressed enthusiasm for implementing them. They suggested exploring different technologies and frameworks that could facilitate the system. Additionally, the supervisor encouraged us to consider incorporating features to make the system more interactive and user-friendly.

**Next Meeting Plan:**

We have scheduled our next meeting for 24th January 2023, where we will begin working on the implementation of the suggested features. In this meeting, we will outline the technical requirements, allocate tasks among team members.

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Supervisor Signatures

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**2**

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| **Semester:** | Spring Fall |
| **Date:** | 24th January 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on January 24th, 2023, we presented the researched framework and technology we chose to implement our system. We separated the admin button from the main home page.

**Supervisor:**

The supervisor appreciated our decision on the system. They commended us for making our project secure which aligns well with our project goals. The supervisor also mentioned the separate page for admin that no one can access, which will be beneficial as we expand and enhance the system in the future.

**Next Meeting Plan:**

Our next meeting is scheduled for February 6th, 2023, where we plan to showcase the progress, we have made on the system to our supervisor. We aim to demonstrate a working prototype and discuss any challenges we encountered during the development process. This meeting will provide an opportunity to seek guidance and solutions from the supervisor to ensure the successful implementation of the things on the system

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Supervisor Signatures

**LOGBOOK ENTRY TEMPLATE**

**3**

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| **Semester:** | Spring Fall |
| **Date:** | 6th February 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on February 6th, 2023, we presented salary calculator to our supervisor. We discussed the challenges we encountered in achieving our goal, as the current implementation required. We sought guidance from the supervisor to overcome this issue.

**Supervisor:**

The supervisor acknowledged the challenges we faced and suggest us to make it better by adding average to the salary calculator to resolve the problem. They explained that the issue might be due to improper implementation. The supervisor provided insights on how to ensure the calculator to make it work the way we wanted it to work.

**Next Meeting Plan:**

Our next meeting is scheduled for February 13th, 2023, where we plan to showcase our working on the calculator to the supervisor. We will discuss the modifications made to the codebase and highlight the successful implementation. This meeting will mark a significant milestone in our project's progress.

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Supervisor Signatures

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**4**

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| **Semester:** | Spring Fall |
| **Date:** | 13th February 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on February 13th, 2023, we discussed the modifications we made to the codebase, which resulted in the successful implementation of our goal. The supervisor acknowledged the significant progress we made since the previous meeting and commended our tireless efforts in overcoming the challenges.

**Supervisor:**

The supervisor appreciated our dedication and the successful implementation on the average salary calculator. They recognized the complexity of the next task, which involves filtering on the CV of an individual. The supervisor acknowledged that this workflow requires careful planning, logic, and effort.

**Next Meeting Plan:**

Our next meeting is scheduled for February 21st, 2023. During this meeting, we will demonstrate our progress on the CV filtering. We aim to showcase the functionality that accurately filtering of the CV’s that the recruiter will download, we will discuss any challenges we encountered during the development process and seek guidance from the supervisor to overcome them. This meeting will provide an opportunity to ensure the successful implementation of this.

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Supervisor Signatures

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| **Semester:** | Spring Fall |
| **Date:** | 21st February 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on February 21st, 2023, we showcased our partially completed module to our supervisor. Although the module was not fully functional, we demonstrated the key features and the progress we had made thus far.

**Supervisor:**

The supervisor appreciated our tireless efforts in working on our final year project (FYP) and acknowledged the complexity of the module. They emphasized the importance of completing this module before the next meeting and expressed confidence in our ability to do so.

**Next Meeting Plan:**

Our next meeting is scheduled for March 9th, 2023. In this meeting, we will present the progress we have made on the module, showcasing the completed functionality. Additionally, we will discuss any challenges we encountered during the development process and seek guidance from the supervisor to overcome them. Our aim is to have a fully functional module ready for demonstration and review.

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Supervisor Signatures

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**6**

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| **Semester:** | Spring Fall |
| **Date:** | 9 March 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on March 9th, 2023, we presented the fully functional module to our supervisor. The supervisor thoroughly reviewed the flow of the module, testing the download CV button and filtering it out. After verifying its functionality, the supervisor marked the module as complete and appreciated our efforts.

**Supervisor:**

The supervisor thoroughly reviewed the flow of the module, testing of the feature. After verifying its functionality, the supervisor marked the module as complete and appreciated our efforts.

We also addressed a challenge we encountered during the development process, where the button is downloading only the desired result. We successfully resolved this issue, ensuring the smooth functioning of the module.

**Next Meeting Plan:**

Our next meeting is scheduled for March 17th, 2023. In this meeting, we will begin working on the AI feature of recommendation, which will be launched in our system. Employees only shown the recommended jobs according to their specification. We make sure to complete it as soon as possible. We will discuss the implementation details, explore different prompt formats, and outline the functionalities of the AI recommendation feature.

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Supervisor Signatures

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**7**

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| **Semester:** | Spring Fall |
| **Date:** | 17th March 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on March 17th, 2023, AI Chat Integration:

We showcased the successful integration of the AI content-based filtering into our system, utilizing the algo. The content-based system works smoothly, providing content-based responses based on the given prompt. We demonstrated the flow and tested the functionality, ensuring a seamless user experience.

**Supervisor:**

The supervisor tested the feature and acknowledged its smooth performance. They appreciated our efforts in integrating the feature into our system and recognized that we are nearing the completion of our project. The supervisor provided positive feedback and expressed satisfaction with our progress.

**Next Meeting Plan:**

Next Meeting Plan - March 31st, 2023, Documentation and Implementation Chapter:

In the upcoming meeting, we plan to shift our focus towards the documentation aspect of our final year project. We recognize the importance of documentation and will begin working on the implementation chapter of the FYP report. We aim to capture and document the implementation details of our project accurately. During the meeting, we will seek guidance from the supervisor if needed, ensuring the documentation aligns with the project's scope and requirements.

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| **Semester:** | Spring Fall |
| **Date:** | 31st March 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on March 31st, 2023, Implementation Chapter Showcase:

We presented the implementation chapter of the FYP report to our supervisor, which provided a comprehensive and detailed overview of the project's implementation. The chapter covered various aspects, including the frontend, backend, servers, and components, explaining the functionality of each module in a clear and detailed manner. We aimed to remove any confusion and enable future issue resolution through thorough documentation.

**Supervisor:**

The supervisor thoroughly reviewed the implementation chapter and appreciated our efforts in creating a detailed and readable report. They commended our approach in explaining almost every functionality of the project, recognizing the value it brings in understanding and maintaining the project in the future. The supervisor suggested adding work flows and diagrams to the implementation part to enhance its readability and visual representation.

**Next Meeting Plan:**

Next Meeting Plan - April 6th, 2023, Complete Implementation Chapter:

In the next meeting, scheduled for April 6th, 2023, we assure our supervisor that we will present the complete implementation chapter of the project, including all the required diagrams. We will incorporate the suggested workflows and diagrams to improve the clarity and visual representation of the implementation details. Our goal is to provide a comprehensive and well-structured implementation chapter that aligns with the project's objectives and requirements.

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**9**

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| **Semester:** | Spring Fall |
| **Date:** | 6th April 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on April 6th, 2023, Complete Implementation Chapter Showcase:

We presented the complete implementation chapter of the project, incorporating all the required diagrams such as the ERD diagram, sequence architecture, cloud architecture, flow architecture, context diagram, user journey diagram, priority diagram, flow chart diagram, and development flow chart. These diagrams provided visual representations of the project's structure, workflows, and processes.

**Supervisor:**

The supervisor thoroughly reviewed the implementation chapter, going through each diagram that we had incorporated. They appreciated our efforts in creating a detailed version of the implementation, recognizing the importance of visual representations in conveying the project's architecture and functionality. The supervisor commended our attention to detail and the clarity of the diagrams, acknowledging the value they bring to the overall understanding of the project.

**Next Meeting Plan:**

Next Meeting Plan - April 28th, 2023, Testing Phase and Challenges:

In the next meeting, scheduled for April 28th, 2023, our plan is to initiate the testing phase of the implemented part of the FYP. This phase is crucial as it involves flow testing, manual testing, and the creation of test cases to check different scenarios and expectations from the project. We anticipate encountering challenges in ensuring a high-quality product and a functional working model. During this meeting, we will discuss these challenges with our supervisor and seek guidance to overcome them effectively.

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| **Semester:** | Spring Fall |
| **Date:** | 28th April 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on April 28th, 2023, Testing Phase Showcase:

We presented the partially completed chapter of the testing phase to our supervisor. This chapter requires thorough checking and validation of every minute detail, including the flow of working modules, testing different scenarios with correct and incorrect inputs, validating the authorization flow through login and signup processes, and writing comprehensive test cases. We also identified the functions that need to be tested on both the client and server sides.

Challenges Encountered:

During testing, we faced a challenge related to file uploading on the Database server, our data was not being uploaded successfully. We discussed this issue with our supervisor to seek guidance and find a suitable solution.

**Supervisor:**

The supervisor suggested that we create a local server for our project, considering its current small scale. By implementing a local server, we can upload courses, assignments, and other related files to our own server. This solution allows us to proceed with the testing phase while ensuring a smooth workflow. The supervisor appreciated and encouraged our effort in creating a detailed testing document and recognized the importance of planning for scalability in the future by using SQL Lite Database.

**Next Meeting Plan:**

In the next meeting on 10 May 2023, we will address the issue of uploading data on SQL Lite by implementing a local server. We will work on resolving this issue and discuss any further matters with the supervisor if needed.

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**11**

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| **Semester:** | Spring Fall |
| **Date:** | 10th May 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

During the meeting on May 10th, 2023, Uploading Assignments Issue Resolved:

We showcased the solution we discussed in the previous meeting regarding the issue of uploading on SQL Lite. By implementing a local server, we successfully resolved the problem, allowing smooth uploading of the data and Tables. The supervisor appreciated our efforts and acknowledged the progress we have made in completing all the chapters of the FYP report and successfully testing our FYP.

**Supervisor:**

The supervisor appreciated our efforts and acknowledged the progress we have made in completing all the chapters of the FYP report and successfully testing our FYP, also supervisor suggest us to start working on presentation for Final Defense.

**Next Meeting Plan:**

In the upcoming meeting, scheduled for June 17th, 2023, the student will commence working on the formatting and compilation of the FYP documents. This includes ensuring proper formatting of the FYP Report according to the required guidelines and standards. Additionally, the student will begin preparing for the final defense presentation of their FYP. This entails organizing the content, creating impactful slides, and practicing the delivery of the presentation. Furthermore, the student will submit all the necessary documents to me for final checking and approval.

I look forward to reviewing the student's progress in document formatting and offering any necessary guidance or feedback. The final defense presentation is a crucial stage, and I will provide support to ensure the student effectively showcases their hard work and achievements.

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**12**

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| **Semester:** | Spring Fall |
| **Date:** | 20th June 2023 |
| **Meeting#:** | 13 14 15 16 17 18 19 20 21 22 23 24 |

**Student:**

In the meeting on June 20th, 2023, Final Document Submission and Presentation Preparation:

During the meeting, we submitted all the required documents to the supervisor, including the finalized FYP Report and other relevant materials. We also showcased our working project to the supervisor, providing an overview of its functionality and features. We expressed our readiness and enthusiasm for the upcoming final defense.

**Supervisor:**

Supervisor appreciate students for their dedication and effort in completing all the necessary documents and presenting their working project. Student's hard work throughout the FYP journey. The documents have been thoroughly reviewed and meet the required standards. I wish the student the best of luck for the final defense, which is scheduled for June 23rd, 2023.

**Next Meeting Plan:**

The next meeting will be the final defense day, where the student will present their project in front of a panel and defend it by addressing their questions and concerns. The student has expressed their preparedness for this important milestone. Supervisor will be present during the final defense to observe and provide guidance as needed.

Supervisor encourage the student to approach the final defense with confidence, showcasing their knowledge and understanding of the project. The panel's questions and feedback will contribute to the overall assessment of the project's success. Supervisor wish the student the very best for their final defense presentation.

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Supervisor Signatures