Higher Nationals - Assignment 2

Student Name/ID	Nguyen Dinh Tam/GCD210186		
Unit Title	Unit 30: Application Development		
Assignment Number	2	Assessor	Pham Thanh Son
Submission Date		Date Received 1st submission	
Re-submission Date		Date Received 2nd submission	

Assessor Feedback:

*Please note that constructive and useful feedback should allow students to understand:

a) Strengths of performance

b) Limitations of performance

c) Any improvements needed in future assessments

Feedback should be against the learning outcomes and assessment criteria to help students understand how these inform the process of judging the overall grade.

Feedback should give full guidance to the students on how they have met the learning outcomes and assessment criteria.

Grade:	Assessor Signature:	Date:

Resubmission Feedback:

*Please note resubmission feedback is focussed only on the resubmitted work

Grade:	Assessor Signature:	Date:

Internal Verifier's Comments:

Signature & Date:

* Please note that grade decisions are provisional. They are only confirmed once internal and external moderation has taken place and grades decisions have been agreed at the assessment

Grading grid

P4	P5	P6	M3	M4	M5	D2	D3

TEAM MEMBERS

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APPLICATION DEVELOPMENT REPORT

ASSIGNMENT 2

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A. Create a formal questionnaire that effectively reviews your business application, problem definition statement, proposed solution and development strategy. Use this questionnaire as part of a peer-review and document any feedback given:

- We will gather feedback from the perspective of job seekers and employers after demonstrating and explaining the features of the FPT Recruitment platform. After examining your recruitment application and the associated explanations of problem identification, potential solutions, and strategy development, opinions and comments are formed.

- We have designed the following questions to solicit user feedback on the platform and to gather suggestions for future improvements in the recruitment process. This feedback will be invaluable in refining the platform to better meet the needs of job seekers and employers.

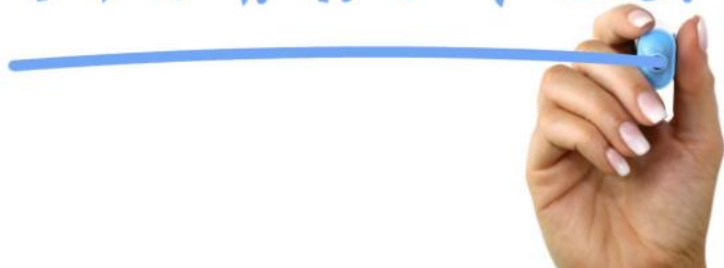Figure 1: Questionnaire about the business application (1)

Figure 2: Questionnaire about the business application (2)

* Collecting review feedback:

- After receiving input from 100 different persons, we obtain statistics on how clients feel after interacting with our system.

- The first set of data is about consumer first impressions and what they like best about our system.
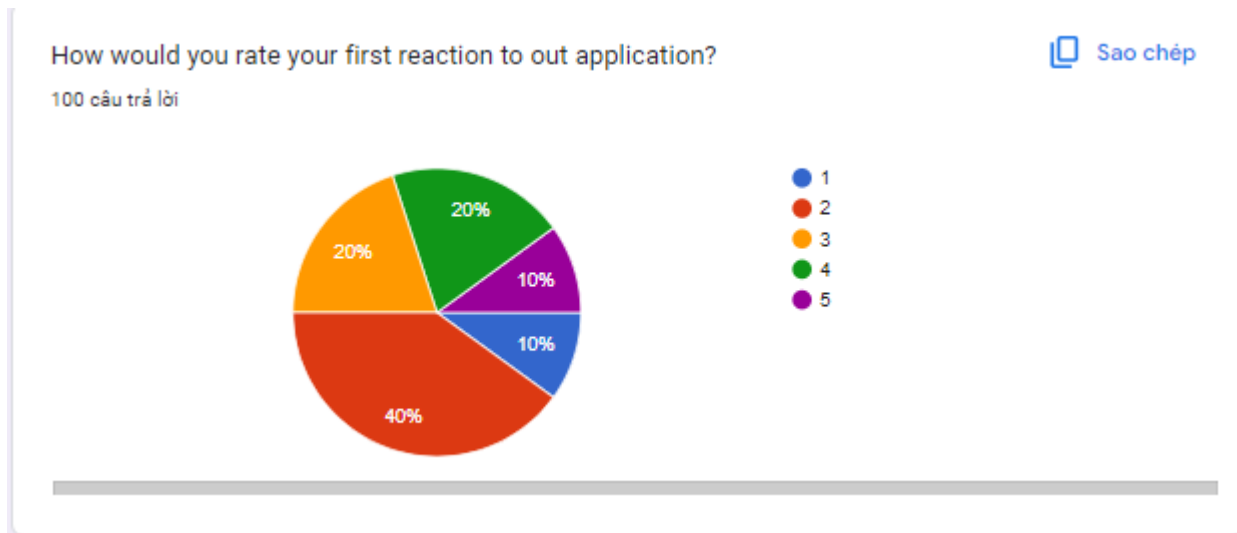
Figure 3: Result question 1

- The rating that was most frequently assigned by respondents was , which garnered 40 responses. This figure constitutes 40% of the total responses, indicating a significant preference for this rating among users.

- The ratings at the extremes, specifically 1 and 5, were the least favored among the respondents. Each of these ratings was chosen by 10 participants, making up 10% of the total feedback. This suggests that opinions about the app are less polarized, with fewer respondents feeling strongly positive or strongly negative.

- A considerable majority of the feedback collected was on the positive side, with half of all respondents giving the app a rating of between 3 and 5. This indicates a general satisfaction with the app among a significant portion of the users, though there remains room for improvement to shift more ratings towards the higher end of the scale.

- The attributes of speed and functionality were most frequently highlighted in user feedback, each receiving 30% of total responses. This level of feedback underscores a substantial appreciation for these aspects, reflecting their critical importance to user satisfaction.
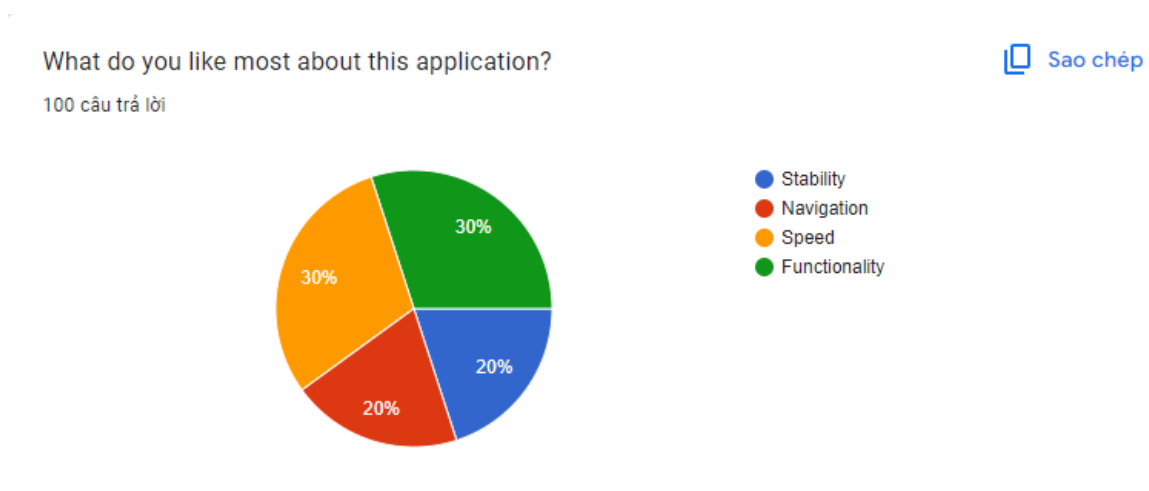
- Stability and navigation, while still positively received, were emphasized less compared to speed and functionality, with each of these features receiving 20% of the responses. This indicates a moderate level of importance attached to these features among the users.

- The equal focus on speed and functionality by the users implies a strong preference for a consistent and intuitive user experience, indicating that these are the primary drivers of satisfaction.
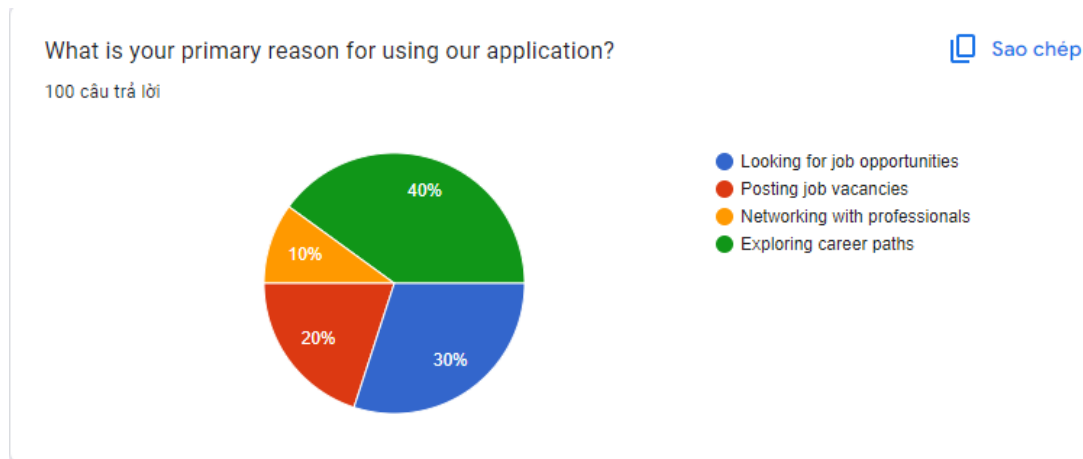
Figure 5: Result question 3

- The feature focused on exploring career paths was the top choice among users, receiving 40% of the total responses. This significant share highlights a strong interest in career exploration as a primary function of the platform.

- Networking with professionals was the least selected feature, with only 10% opting for it. This lower preference suggests that networking is not a primary concern for the majority of the platform's users.

- The majority of responses indicate a distinct preference for features related to career exploration and finding job opportunities, accounting for 70% of the total feedback. This trend underscores the primary utility of the platform as a tool for career development and job search. This pattern suggests that while the platform serves multiple purposes, its strength and user engagement primarily lie in aiding individuals in navigating their career paths and accessing job opportunities.
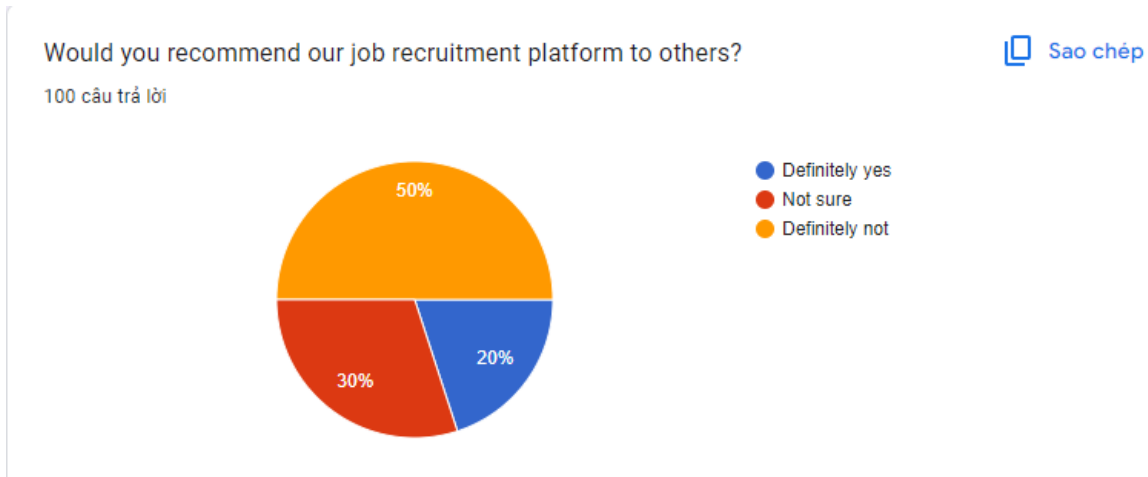
Figure 6: Result question 4

- Half of the respondents indicated they would "Definitely not" recommend the job recruitment platform, comprising 50% of the total feedback. This significant portion reflects considerable dissatisfaction among users.

- The less common responses were "Definitely yes" recommendations, given by only 20% of participants. This contrasts sharply with the 30% who are "Not sure" about recommending the platform, together making up 50% of the total responses. These figures suggest a division in user satisfaction, where a minority is satisfied while a larger portion remains undecided or dissatisfied.

- The feedback reveals a divided user base, with a significant number clearly dissatisfied, while others remain uncertain or satisfied. This split highlights the potential for improvements in the platform to enhance user satisfaction and increase the likelihood of recommendations.

- The ratings that appeared most often were 2 and 5, each received by 30% of respondents. This indicates a pronounced split in user perceptions, with each of these ratings representing significant but opposite viewpoints.

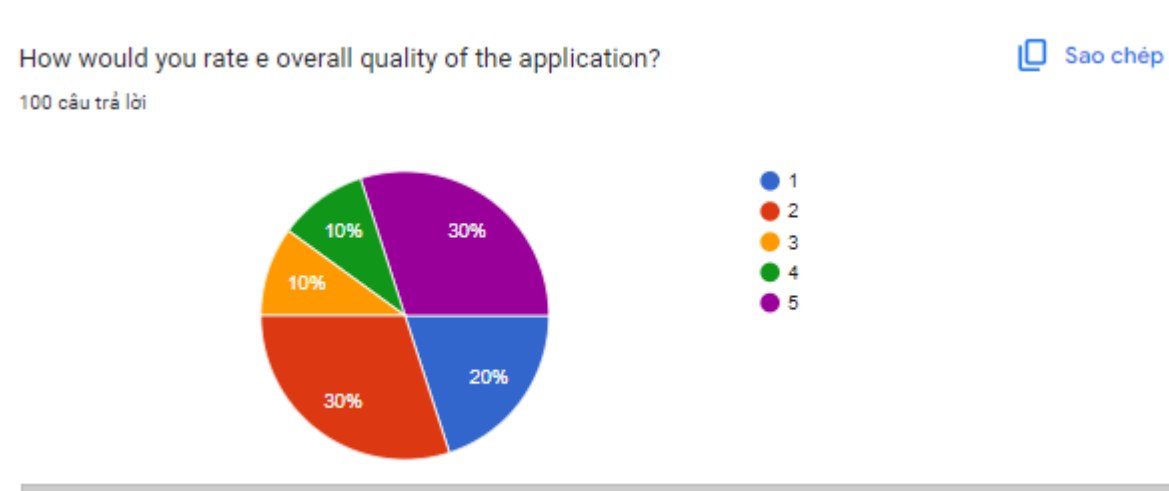- Ratings 3 and 4 were less commonly chosen, each accounted for only 10% of the responses. This suggests that fewer users felt moderately about the application, highlighting a polarization in user opinions.

- The feedback on the application shows polarized opinions, with equal proportions of users rating it at both higher and lower ends of the quality spectrum. This polarization indicates mixed user experiences, suggesting the need for a detailed investigation into the underlying causes of such varied perceptions to identify areas for enhancement.

B. Develop a functional business application based on a specified business problem:

I. Folder structure of the application:

II. Source code samples of the application with explanation:

III. Final screenshots of the application:

IV. Screenshots of using GitHub or GitLab to manage the source code:

C. Review the performance of your business application against the Problem Definition Statement and initial requirements:

I. Review the performance of the application:

II. Conclude whether the application adapts all requirements or it needs to be improved later:

* Conditions satisfied

- The user interface of the application is meticulously designed, ensuring a seamless and straightforward experience for users. Each function and feature is detailed clearly, allowing users to operate the application effortlessly and grasp its functionalities quickly.

- The search function is integrated into various parts of the application in a flexible manner, facilitating easy job postings and recruitment. This feature significantly improves the user experience, enabling customers to efficiently find relevant job opportunities.

- Owners of the application can effectively manage and monitor customer activity. They have tools to review and update job postings, enhancing the system's overall management capabilities.

- Additionally, administrators have control over both customer and business accounts, with the ability to reset passwords and address access issues promptly. This robust account management system ensures the security of user information and provides excellent customer support.

* Conditions need to be improved

- To elevate the user experience and improve system efficiency, a series of enhancements are vital. The most critical step is bolstering the security of customer data and transactions. Implementing two-factor authentication is a key measure to achieve this, providing an additional layer of security that helps protect sensitive information.

- Additionally, the deployment of a sophisticated notification system would greatly benefit users. This system would enable them to receive timely updates about job postings, employer details, and other essential information, ensuring they are well-informed and engaged. It's also essential to refine the application's interface for both mobile and desktop environments to broaden its accessibility and usability.

- Another important upgrade involves refining the management of job portfolios. By implementing specific permissions for various user roles, the application can ensure that operations are both safe and efficient. Furthermore, integrating advanced statistical and reporting tools will aid significantly in monitoring business performance and identifying prevailing trends, which can inform strategic decisions.

- In the future, comprehensive testing on a range of browsers and devices is planned to confirm the application's functionality and adaptability across different platforms. This step is crucial to ensure that the application remains robust and versatile, providing a seamless experience for all users. These improvements will not only support the application's growth but also enhance its ability to serve users effectively, making it a more valuable tool in their professional and personal endeavors.

III. <u>Analyse the factors that influence the performance of the application</u>:

- The application's performance is influenced by several key factors, each crucial for ensuring its overall efficiency and reliability. One significant aspect is the user interface, which is meticulously designed to be both detailed and clear. This thoughtful design greatly enhances the user experience by facilitating ease of navigation and comprehension, allowing users to efficiently interact with and utilize the application.

- Management of job postings is another critical area that significantly impacts the application's performance. Effective administration of these postings ensures accurate tracking of candidate statuses, which is essential for operational efficiency. However, any lapses in this management can lead to undesirable outcomes such as processing delays or the potential for repeated spamming issues, which can hinder the user experience and affect the application's credibility.

- Additionally, the management of admin accounts plays a pivotal role, especially in resolving issues related to account access. Effective admin management ensures that user issues are promptly addressed, maintaining a smooth user experience and enhancing security.

- Speaking of security, it is particularly vital in an application handling job registrations. Protecting personal information and transaction details is paramount. A robust security framework is essential to safeguard against data breaches, which could otherwise jeopardize user trust and the application's reputation.

- Lastly, the integration of secure and stable payment methods is crucial for a seamless transaction process. Inadequate payment integration can lead to serious issues such as payment errors or lost transactions, which could diminish user trust and deter future use of the application.

- In summary, the performance of the application hinges on a multifaceted approach to improvement and optimization. From enhancing the user interface to strengthening security measures and ensuring reliable payment processes, each element requires continuous attention and refinement. Only through such comprehensive oversight and ongoing improvement can the application hope to maintain and grow its user base, ensuring both satisfaction and trust among its users.

IV. Evaluate the strengths and weaknesses of the application:

* **Strengths**:

- **User-Friendly Interface:** The application features a detailed and clear user interface, which enhances the overall user experience by making it easy for users to navigate and understand how to use the application effectively.

- **Effective Job Post Management:** The application allows for effective tracking and management of job postings, which is crucial for maintaining operational efficiency and ensuring that users can keep track of candidate statuses accurately.

- **Admin Account Management:** Robust management of admin accounts helps in swiftly resolving user access issues, which enhances security and user trust.

- Secure Payment Integration: The integration of secure payment methods facilitates a smooth and reliable transaction process, enhancing user confidence in handling financial transactions within the application.

* Weaknesses:

- Potential Management Inefficiencies: If job posting management is not handled effectively, it could lead to delays and issues like continuous spamming, which can disrupt the user experience and affect the application's performance.

- Security Concerns: While the application includes security measures like two-factor authentication, there remains an ongoing need to strengthen the security framework to protect against data breaches. In a job registration application, the security of personal information and transaction data is extremely critical.

- Dependency on Continuous Optimization: The application requires ongoing optimization and testing across various platforms to ensure compatibility and smooth functioning. This continuous need for updates and refinements can be resource-intensive.

- Stability of Payment Integration: Any instability or insecurity in the payment integration can lead to transaction errors or lost funds, which could significantly impact user trust and discourage continued use of the application.

=> These strengths and weaknesses highlight the areas where the application excels and where there is room for improvement to ensure it remains competitive and reliable for its users.