Final Individual Self Reflection Report

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1. Describe yourself by using 5 words
   - Adaptable
   - Hard working
   - Team player
   - Continuous Learning
   - Self Motivated

2. What I have learned through the third-year group project and how it could benefit me
   - Through this third-year group project, I've gained invaluable insights into the practical application of various technologies such as React, Spring Boot, and PostgreSQL. This experience has equipped me with a solid foundation in full-stack development, enabling me to understand the intricacies of front-end and back-end integration. Additionally, the project provided me with an in-depth understanding of the importance of effective project management and the significance of clear communication within a team setting. The hands-on experience of designing and developing a comprehensive web application has significantly bolstered my technical skills and problem-solving abilities, which I believe will be instrumental in my future endeavours in the field of software development.

3. How your group work experience was and my role and contribution within my group.
   - Create and contribute to the project documents and presentation slides.
   - Designed User Interfaces for User 'Service Provider' using Figma
   - Developed Responsive Frontend for User 'Service Provider'
   - Developed Backend for User 'Service Provider'
   - Established Database Schema that included several interconnected tables to facilitate efficient data management and retrieval for various components of the application.
   - Design and develop the Web application modules
     1. Dashboard for Service Provider
     2. Implemented Availability Calendar
     3. Implemented Create Quotation Functionality via our system
     4. Location Tracking Functionality Using Google Maps Api, React Leaflet maps
     5. Training Session Management for Service Providers

6. Implemented Qr code based Entrance for Training Sessions.
7. Add and Manage Services of Service Providers
8. Implemented Blogs Page for Service Providers
9. Jobs, Vacancies Management for Service Providers
10. History Management for Service Providers
11. Implemented image storage and retrieval functionality within the database for service provider related tasks.

4. Project progress
- **What went wrong**
  I faced challenges in communication, resulting in occasional misunderstandings and delays in completing certain tasks. Moreover I found it challenging to work with several interconnected tables using foreign keys. The integration of complex functionalities, such as setting up the QR code-based entrance, demanded more time than initially anticipated.

- **What went well**
  Successfully contributing to various features in the web application was an accomplishment. This included effectively utilising Figma for UI design and skillfully incorporating the Google Maps API and React Leaflet maps for location tracking. Additionally, checking Postman API requests for all backend calls before implementing them in the frontend demonstrated a meticulous approach to ensuring the smooth functioning of the application.

- **How could I improve myself in the future**
  I recognize the importance of improving my communication skills to ensure better understanding and smoother collaboration. Moreover, considering my initial lack of familiarity with technologies like REST APIs, React, Spring Boot, and PostgreSQL at the beginning of the project, I dedicated significant time to studying them. In the future, I aim to continue this proactive approach by dedicating more time to comprehensive research before implementing complex features.