



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING

SECJ3303 INTERNET PROGRAMMING - GROUP PROJECT - SECTION 04

Individual Reflections

Project Title: Iskandar Puteri Low Carbon Initiative System (IPLCIS)

Lecturer : Dr. Norizam Bin Katmon

Team 2: AltF4riends

NO.	NAME	MATRICS NUMBER
1.	MOATAZ ABDO MOHAMMED AL-SHATER	A21EC4011
2.	AARON TAN	A21EC0152
3.	CHOK RONG JIE	A21EC0169
4.	YOUSEF KHALED SALEH ABDULLAH	A21EC4023
5.	AMMAR MOSTAFA MOSHREF SAAD ABDELAZIZ	A21EC0250

1. MOATAZ ABDO MOHAMMED AL-SHATER

Reflecting on my journey throughout the project fills me with a profound sense of pride and accomplishment. From the outset, I approached this endeavor with a hunger for learning and a willingness to embrace new challenges. Little did I know that this journey would not only expand my technical repertoire but also shape me into a more effective collaborator and leader.

My path to mastering Java technologies has been marked by moments of frustration and triumph. From grappling with the intricacies of XML files to seamlessly integrating JSP into our project modules, each milestone has been a testament to my adaptability and perseverance. Through dedication and determination, I have not only overcome technical hurdles but have also emerged as a confident and capable programmer.

Yet, perhaps the most transformative aspect of this journey has been my evolution as a collaborative leader within the group. By fostering open communication, encouraging diverse perspectives, and empowering my peers to contribute their ideas, I have cultivated a culture of trust and camaraderie. Together, we have navigated challenges, celebrated successes, and grown stronger as a team.

As I look to the future, I am filled with excitement for the opportunities that lie ahead. Armed with newfound technical expertise and invaluable leadership skills, I am ready to take on whatever challenges come my way. This journey has not only enriched my professional toolkit but has also left an indelible mark on my personal growth and development. I am grateful for the lessons learned, the friendships forged, and the memories created along the way.

2. AARON TAN

Throughout the Internet Programming project, I have faced many challenges and setbacks but was capable of overcoming it through willpower and help from the team. I have learned new things such as dependency injections, dynamic routing and mapping as well as annotation processing and implementing them within the project using spring tools. While it may be difficult to grasp the concepts and its usage at first, I was able to understand a lot through continuously being in awe and curiosity. While using and understanding spring tools was one of the primary goals, recalling and implementing the MySQL database was equally just as important. While in the previous courses, I have used PHP to implement the database in the webpage but using spring tools allowed a more flexible and modifiable implementation. Implementing these new methods such as JDBC templates was very exciting and rewarding especially when it was successful.

From beginning to end, I was able to understand the importance of effective communication and collaboration among the team members. Unlike the use of GitHub and Visual Studio Code, Spring Tools does support us in terms of collaborating our code. Although this may be a huge hurdle to get over, we were able to complete the project without too many issues. I was also open minded to any ideas being given by the team as well as adaptive to any changes such as the requirements. Reaching the end of the project, I hope to be able to pursue more skills and gain more experiences with other types of architecture and forge more unbreakable bonds.

3. CHOK RONG JIE

As for what I have learnt from this Internet Programming Project on the IPLCIS, team working, dedication and leadership is necessary for the completion of the project. Team working and leadership is undoubtedly very important to ensure the work progress of all team members are correctly tracked and provide assistance when needed. It is also crucial to motivate team members to overcome challenges faced during the development process of the IPLCIS to prevent them from being burnt out. As for dedication, the willingness to continue to learn new concepts in Internet programming such as Spring MVC, Session Tracking, utilizing databases through JDBC and much more is critical to improve my skills in developing more complex web applications in the near future. I also get to have hands-on experience in using Spring Tools Suite IDE to develop the system, widening my horizon on the other types of IDE that I can utilize to create web applications. Overall, in this project, I get to experience a scenario where I have to utilize the knowledge and skill

I got from the Internet Programming course to produce a system product in a team with the requirements defined by real stakeholders.

As for a more in depth reflection on the Internet Programming course itself, I find myself being challenged by the various topics offered. From the basics of using JSP servlets and JavaBeans to utilizing databases through JDBC and JDBC Template and Expression Language, the journey to learn all these topics is quite tough and hard to follow at times. Combined with my lack of knowledge in the IDE used, it was an even more difficult experience to learn new skills in this course. Even though the learning experience was hard, it is satisfying to be able to understand the concept behind each topic. All in all, the knowledge I gained from the Internet Programming course will definitely aid me in the development of web based applications which is a trend in today's industry.

4. YOUSEF KHALED SALEH ABDULLAH

As I reflect on my journey throughout our Eclipse project, I am deeply appreciative of the growth and learning that have characterized this experience. Delving into the intricacies of Java technologies like Java beans, JDBC, and Spring MVC framework has been both challenging and rewarding. Each hurdle has presented an opportunity for personal and professional development, expanding my technical repertoire and bolstering my confidence as a programmer.

Moreover, my journey in mastering Java technologies has been complemented by a newfound appreciation for effective communication and collaboration. Engaging with my peers, actively listening to their perspectives, and fostering a culture of openness and trust within the group have been pivotal to our collective success. Through collaborative problem-solving and constructive feedback sessions, we have navigated challenges and achieved our shared goals with confidence and cohesion.

Looking ahead, I am excited to carry forward the lessons learned from this project into future endeavors. Whether it's honing my technical skills further or refining my communication and collaboration abilities, I am committed to continuous improvement and growth. This journey has not only equipped me with valuable insights and capabilities but has also instilled in me a sense of resilience and determination to tackle whatever challenges lie ahead.

5. AMMAR MOSTAFA MOSHREF SAAD ABDELAZIZ

Reflecting on the trip we took during our Eclipse project, I am grateful for the considerable strides and insights gained along the way. Immersing oneself in the complexities of Java technologies such as Java Beans, JDBC, and the Spring MVC framework has been both a daunting challenge and a source of great satisfaction. Each challenge has acted as a springboard for personal and professional development, honing my technical skills and instilling greater confidence in my programming ability.

Furthermore, I believe that the indispensable significance of adept communication and collaborative synergy was unveiled during the expedition of learning and mastering Java technologies that was filled with confusion and frustration. The road to completing this project was filled with thorns but with continuous determination and dedication I have adapted to the technical difficulties that have faced me along the way. The key point in the success of this project is the nurturing of a teamwork environment between the group made this semester a great one.

As I look towards the horizon, I am filled with a real sense of anticipation, ready to incorporate the essential insights gained from this journey into the fabric of my future academic and professional endeavors. This academic journey, complete with labyrinthine twists and serendipitous turns, has not only provided me with a wealth of knowledge and competencies, but it has also instilled in me an unquenchable desire to face the untold challenges that lie ahead with unwavering resolve and boundless optimism.