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**Individual Report**

COMP1640 - Enterprise Web Software Development

**Subject Code:** COMP1640

**Subject Title:** Enterprise Web Software Development

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# Group Information

Table 1 - Project Information

|  |  |
| --- | --- |
| Team Name | *C1* |
| Group Repository (Front-End) | <https://github.com/BrutLei/1640-web-project-fe-remade> |
| Group Repository (Back-End) | <https://github.com/BrutLei/1640-back-end-remade> |
| Front End Tech | ReactJS, TailwindCSS |
| Back End Tech | Express/Node JS, Prisma |
| Database Tech | MySQL |
| Screen Cast URL | YouTube link |

Table 2 - Team Information

|  |  |
| --- | --- |
| Full Name | Role |
| Đồng Văn Tuấn | Product Owner |
| Hoàng Hưng Phát | Scrum Master |
| Nguyễn Gia Huy | Developer |
| Anh Hùng | Product Owner |

# Evaluation of product and process

## Evaluation of Product

The project successfully addressed client needs through functionalities like article submission and image upload, implemented using React.js. Leveraging Node.js for its speed and ease of use, the development process prioritized features for rapid implementation and testing. This iterative approach, aligned with Scrum methodology, ensured systematic fulfillment of requirements. Regular client engagement and user story tracking via Jira fostered effective communication and adaptation to evolving needs. Meticulous backlog management enabled agile sprint planning, ultimately delivering a functional and client satisfying React.js application

## Evaluation of Process

The team effectively used Scrum throughout the project. Weekly meetings allowed for detailed discussions about tasks and progress, keeping everyone informed and responsible. Minutes and user stories documented on Jira tracked decisions and assignments, promoting clear goals. A prioritized product backlog helped the team focus on delivering the most valuable features in stages. Regularly updating the backlog ensured its accuracy for planning sprints. Client feedback incorporated at set intervals allowed for adjustments and kept the project aligned with their needs. The iterative development process enabled early testing of functionalities, improving product quality, and reducing risks from late changes. The team's commitment to Scrum principles and clear communication practices were key factors in the project's success. Overall, this evaluation shows the team's ability to use Scrum to deliver a high-quality product on time.

# Evaluation of team

## Hoàng Hưng Phát (Person A - My Self)

While my primary role is Scrum Master for the project, I also play a decision-making role in various aspects, including technology selection. I am the first to train the team on the fundamental knowledge of the chosen technologies. Additionally, I provide mentorship and support to team members in resolving issues, including technical ones.

As a relative newcomer to the implementation of the chosen technologies, I have learned a great deal through my self-study and problem-solving skills. This adaptability has allowed me to seamlessly transition between roles, serving as a Scrum Master, mentor, and even a developer when necessary. I am confident in my ability to handle multiple responsibilities and excel under pressure.

## Nguyễn Gia Huy (Person B)

Gia Huy has demonstrated exceptional performance throughout the recent project. He has consistently provided strong support to the team and has been highly effective in gathering information and contributing his unique perspectives to the team's discussions. While there is still room for improvement in his technical skills, Gia Huy's valuable contributions have significantly guided the team towards developing the application in the right direction.

Following the project, Gia Huy has exhibited notable improvement in various aspects, including his communication and technical skills. He has emerged as the team's most proficient communicator and system understanding individual, while still demonstrating some limitations in application development and implementation. Overall, Gia Huy is a highly valued member of the team.

## Đồng Văn Tuấn (Person C)

Tuan has demonstrated exceptional technical skills throughout the project. His proficiency in developing applications using cutting-edge technologies has been instrumental in the project's success. He consistently takes on challenging tasks and delivers exceptional results.

While not the most vocal member of the team, Tuan actively participates in group discussions and contributes valuable insights. His ability to grasp complex concepts and articulate them clearly is evident in his interactions with team members. He effectively communicates project updates and progress, ensuring everyone is on the same page.

Tuan possesses a remarkable ability to identify and resolve issues promptly and efficiently. He proactively seeks out opportunities to contribute and takes initiative to tackle tasks beyond his immediate scope. His willingness to go the extra mile has been invaluable to the team's success.

Tuan is an outstanding team member who consistently exceeds expectations. His technical expertise, communication skills, problem-solving abilities, and initiative make him an asset to any team. I highly recommend Tuan for any future projects or endeavors.

## Anh Hùng (Person D)

Hùng's performance as a team member has been characterized by a mix of strengths and areas for improvement. While he has demonstrated a strong work ethic and willingness to contribute to the team, he has also made several mistakes. It is important for Hùng to continue to develop his skills and knowledge to become a more well-rounded team member. However, his positive attitude and willingness to learn are commendable qualities that should be encouraged. With continued effort, Hùng has the potential to become an asset to the team.

Table 3 - Factor table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| FACTOR | WEIGHT | PERSON A | PERSON B | PERSON C | PERSON D |
| Technical | 9 | 9 | 6 | 9 | 5 |
| Logical Thinking | 9 | 9 | 7 | 7 | 5 |
| Initiative | 5 | 9 | 6 | 6 | 5 |
| Communication | 8 | 8 | 9 | 5 | 5 |
| Problem Solving | 10 | 10 | 6 | 8 | 6 |
| Commitment | 7 | 10 | 9 | 8 | 6 |
| Knowledge | 7 | 7 | 6 | 8 | 6 |
| TOTAL | 55 | 8.909091 | 6.981818 | 7.381818 | 5.436364 |

Figure 1 - Factor comparison

Table 4 - Mark of Overall Team Contribution

|  |  |
| --- | --- |
| PERSON | TOTAL |
| PERSON A | 8 |
| PERSON B | 6.5 |
| PERSON C | 7 |
| PERSON D | 6 |

Figure 2 - Overall Team Contribution

# Self-evaluation

## My contributions

Beyond functioning as the Scrum Master for the project, I significantly contributed by actively participating in technology selection and knowledge dissemination. I spearheaded the initial training for the team on the chosen technologies, ensuring a strong foundation for project execution. Furthermore, I provided ongoing mentorship and support to team members, including tackling technical challenges. My adaptability, honed through self-directed learning and problem-solving, enabled me to seamlessly transition between roles - Scrum Master, mentor, and even developer when needed - demonstrating strong multi-tasking abilities and the capacity to excel under pressure.

## Reflection on my own performance

Beyond Core Responsibilities:

This project provided a valuable opportunity to expand my role as a Scrum Master. While facilitating the Scrum process remained my primary focus, I actively participated in several key areas. Firstly, I was involved in the decision-making process for selecting the project's technologies. This ensured a strong alignment between chosen tools and project goals. Recognizing the team's unfamiliarity with the chosen technologies, I spearheaded the initial training sessions. This proactive approach laid a solid foundation for project execution. Finally, I consistently provided mentorship and support to team members throughout the project, including tackling technical challenges. This fostered a collaborative environment and facilitated problem-solving.

Adaptability and Growth:

As a relative newcomer to the chosen technologies myself, I leveraged my self-directed learning and problem-solving skills to quickly gain proficiency. This adaptability allowed me to seamlessly transition between roles as Scrum Master, mentor, and even developer when needed. This experience highlighted my ability to multi-task effectively and perform under pressure.

Areas for Improvement:

While I managed to fulfill all my responsibilities, there were instances where I could have optimized my time management to further improve efficiency and minimize potential bottlenecks. Recognizing this area for improvement allows me to focus on developing stronger time management strategies for future projects.

Looking Ahead:

This experience has fueled my desire to further refine my Scrum Master skills. I will actively seek out opportunities to participate in advanced training programs to broaden my knowledge of the Scrum framework. Additionally, while I gained valuable technical knowledge during this project, dedicating time for focused technical learning would further enhance my ability to support the team on technical matters.

Overall, this project provided a rewarding experience that challenged me to grow as a Scrum Master. By actively pursuing improvement in the identified areas, I am confident I can be an even more asset to future teams.

## Lessons learnt

The recent project provided valuable insights into the effectiveness of the Scrum/Agile methodology. Here are some key takeaways that will inform my approach to future projects:

**Importance of Team Collaboration**: Scrum/Agile thrives on a collaborative team environment. The success of this project highlights the power of open communication, shared goals, and a willingness to support one another. Moving forward, I will prioritize fostering a team culture that emphasizes these elements.

**Value of Continuous Feedback**: The iterative nature of Scrum/Agile allows for continuous feedback loops. Regular sprint reviews and retrospectives proved invaluable in identifying issues, making adjustments, and ensuring project alignment. In future projects, I will ensure these feedback mechanisms are implemented effectively.

**Adaptability is Key**: The project environment is rarely static. Scrum/Agile's emphasis on adaptability allowed us to effectively navigate unforeseen challenges and course-correct when necessary. I will continue to refine my ability to adapt plans and approaches as needed to ensure project success.

**Transparency is Essential**: Maintaining transparency throughout the project fostered trust and a sense of ownership among team members. This transparency proved crucial in ensuring everyone was aligned on project goals and priorities. In future projects, I will emphasize clear communication and open information sharing.

**Prioritization is Crucial**: Agile methodologies require constant prioritization of tasks. The project highlighted the importance of effectively managing a product backlog and ensuring team focus on the most critical tasks for each sprint. Moving forward, I will refine my skills in backlog management and prioritization techniques.