

# Individual Report

COMP1640 - Enterprise Web Software Development

**Subject Code:** COMP1640

**Subject Title:** Enterprise Web Software Development

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**Student ID:** GCD201759

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## 1. Group Information

Table 1 - Project Information

Team Name	<i>TeamName</i>
Group Repository	<a href="https://github.com/thaotran203/COMP1640">https://github.com/thaotran203/COMP1640</a>
Group Board URL	<a href="https://trandieuthao.atlassian.net/jira/software/projects/CMP/boards/4">https://trandieuthao.atlassian.net/jira/software/projects/CMP/boards/4</a>
Deployment URL	<a href="http://www.myapp.com">www.myapp.com</a>
Front End Tech	HTML/CSS/JS
Back End Tech	.NET/.NET Core.
Database Tech	My SQL
Screen Cast URL	YouTube link

Table 2 - Team Information

Full Name	Role
Nguyễn Tấn Khoa	Developer
Nguyễn Mạnh Ngọc Khánh	Developer
Trần Ngọc Long	Developer
Nguyễn Xuân Trường	Developer
Lê Huyền Bảo Trang	Developer
Võ Nguyễn Hoàng Oanh	Product Owner
Trần Diệu Thảo	Scrum Master

### 1. Tran Dieu Thao (Scrum Master, Developer):

- Role: As a Scrum Master, responsible for overseeing the development process while actively participating in coding tasks.
- Responsibilities:
  - Review and integrate code from other developers into the main codebase.
  - Establish foundational code and database structures.
  - Manage Scrum task boards and assess the performance of team members.
  - Act as a full-stack coder, particularly focusing on the Marketing Manager role.

## **2. Vo Nguyen Hoang Oanh (Product Owner):**

○ Role: Product Owner.

○ Responsibilities:

- Oversee project progress and task management using Jira.
- Compile team reports.
- Serve as a liaison between stakeholders, ensuring effective communication between teachers and students.

## **3. Le Huyen Bao Trang (Developer):**

○ Role: Developer.

○ Responsibilities: Act as a full-stack coder with a focus on the Administrator role.

## **4. Nguyen Tan Khoa (Developer):**

○ Role: Developer.

○ Responsibilities: Act as a full-stack coder, primarily focusing on the Student role.

## **5. Nguyen Xuan Truong (UI/UX Designer, Frontend Developer):**

○ Role: Developer.

○ Responsibilities:

- Implement frontend designs.
- Code login and registration functionalities.

## **6. Nguyen Manh Ngoc Khanh (Developer):**

○ Role: Developer.

○ Responsibilities: Act as a full-stack coder, particularly focusing on the Coordinator role.

## **7. Tran Ngoc Long (Developer):**

○ Role: Developer.

○ Responsibilities: Act as a full-stack coder, sharing responsibilities with Nguyen Manh Ngoc Khanh for the Coordinator role.

## **2. Evaluation of product and process**

### **2.1. Evaluation of Product**

Our team has dedicated significant time and effort to developing the product over the past few months, and the results are nearly complete. Here's a breakdown of our achievements:

Interface: 95%

The interface we've crafted is not only visually appealing but also stable and highly responsive across various electronic devices. This sets our website apart from others in the market, offering users a seamless experience.

Functionality: 90%

We've successfully implemented the majority of functionalities assigned to our team, with smooth execution and minimal errors. While there are some minor flaws in a few functions, we're committed to addressing them promptly to enhance overall performance.

Performance: 90%

Our team has prioritized efficiency throughout the project, resulting in swift and effective problem-solving. As a result, the project has demonstrated commendable performance throughout its development cycle.

Timeliness: 100%

We've upheld our commitment to meeting deadlines, delivering a polished product within the designated time frame. Our team's proactive approach ensured that all project requirements were met to a high standard and on schedule.

Overall, our team's dedication and collaborative efforts have culminated in a product that we're proud to present. We remain committed to continuous improvement and look forward to further refining our creation to exceed expectations.

### **Advantages**

**Streamlined Management:** The system adeptly handles the complexities of overseeing student submissions for the university magazine.

**Role-Based Access:** Ensures that users are granted appropriate access privileges, safeguarding data integrity.

**Responsive Interface:** Accessibility across various devices ensures all users can interact with the system conveniently.

**Automated Communication:** Email notifications and timely feedback requests expedite communication, fostering swift responses from faculty coordinators.

**Statistical Reporting:** Empowers decision-making with comprehensive statistical analysis and exception reports.

### **Disadvantages**

**User Adoption Challenges:** Complexity may pose hurdles for user adoption and require thorough training.

**Usability Concerns:** Intuitive interface design is crucial to mitigate potential usability issues.

**Email Dependency:** Relying solely on email notifications may result in users missing critical updates.

**Administrative Overhead:** Managing closed days and other administrative tasks may incur additional costs and require constant oversight.

### **Further improvements**

To enhance user experience, real-time notifications within the platform could complement email alerts, ensuring important updates are promptly visible. Integration with collaboration tools like Slack or Microsoft Teams could streamline communication among stakeholders. A user-friendly dashboard with customizable widgets for each role could serve as a centralized hub for task management and information access. Additionally, implementing machine learning algorithms for predictive analytics could facilitate trend

identification and improve decision-making processes. Regular user feedback sessions and iterative improvements based on insights are vital for continual enhancement of the system's effectiveness and usability.

## **2.2. Evaluation of Process**

### **Evaluation:**

The development method that we use in this project is the SCRUM approach. SCRUM is a software development methodology helps the team members in fulfilling their tasks and create effective products. The main principle of this method is to separate SCRUM backlog productdevelopment tasks into small, customer consultation and implementation of appropriate changes in the product development process. This will help security products to customers. SCRUM easy to use, highly interactive with the team members and work together to create great products.

### **Advantages:**

The Scrum process proved highly beneficial in our project, fostering collaboration, transparency, and adaptability. By breaking down tasks into manageable sprints and holding regular meetings, we ensured clear communication and alignment among team members. This facilitated rapid response to changes in requirements and allowed us to deliver value incrementally, boosting productivity and efficiency. Additionally, the emphasis on self-organization empowered team members to take ownership of their work, promoting accountability and motivation.

### **Disadvantages:**

Despite its advantages, the Scrum process also presented challenges. The flexibility of Scrum sometimes led to unpredictability in project planning, making it difficult to estimate timelines accurately and allocate resources effectively. Moreover, disputes or misunderstandings among team members occasionally disrupted progress, highlighting the importance of effective conflict resolution and team cohesion. Additionally, the learning curve associated with Scrum practices may have initially slowed down productivity as team members familiarized themselves with the framework.



**Further improvements:**

To enhance the effectiveness of the Scrum process, we could focus on refining our estimation techniques and backlog management to reduce uncertainty in project planning. Implementing more robust communication tools and practices would also facilitate seamless collaboration, especially in distributed or remote teams. Moreover, providing consistent training and support to team members can expedite the learning curve associated with Scrum, ensuring smoother implementation and maximizing productivity. Overall, continuous refinement and adaptation of Scrum practices will be key to further improving project outcomes in the future.

**Process:****Sprint Backlog:**

The Sprint Backlog serves as a comprehensive list of development priorities for a sprint, meticulously organized and divided by the Scrum Master. Each task is prioritized to ensure that the team can efficiently complete the work assigned within the sprint duration. Crucially, the Scrum Master arranges the tasks in a logical order, enabling team members to grasp the scope of their responsibilities and commence work promptly to progress smoothly through the backlog.

**Product Backlog:**

In our team, the Product Owner diligently investigates and prioritizes customer requirements during this stage. By discerning which tasks are most crucial and need immediate attention, we streamline our project timeline for swift and on-time delivery. This strategic approach allows us to expedite project completion while ensuring that we address the most critical customer needs first.

**Meetings:**

To optimize task execution, our team conducts a blend of online and offline meetings. Offline meetings are held at the Greenwich University library, facilitating face-to-face communication and efficient problem-solving. Online meetings, scheduled daily at 8:00 AM, serve to monitor individual performance and address any issues encountered by the

team. This balanced meeting approach enhances collaboration and ensures that all tasks are effectively managed and tracked to meet project objectives.

### **3. Evaluation of team**

Below is my assessment of how the team members function in the process of completing the assigned project.

#### **3.1. Võ Nguyễn Hoàng Oanh**

From my personal perspective, Oanh excels in time and work management skills, which led her to take on the Product Owner role within our Scrum team for this project—an essential position. She continuously educates herself on all aspects of the project, understanding our customers' needs and effectively communicating with them to expand our client base. As the team representative, Oanh negotiates product features with customers, articulating our team's viewpoints and requirements thoughtfully and clearly.

In her role as Product Owner, Oanh takes charge of addressing any issues that arise, though her involvement doesn't end there. She wholeheartedly supports every team member, assisting them through difficulties encountered during the project's execution, ensuring the completion of tasks according to plan. Additionally, Oanh fosters a supportive team dynamic, encouraging unity and collaboration, particularly during challenging moments.

Upon completing the project, it's evident that Oanh's management of the Product Owner role facilitated seamless coordination between the team and customers, enabling a deeper understanding of customer needs throughout the product development process. Her successful oversight of this pivotal position is reflected in the project's successful completion. I deeply appreciate Oanh's dedication, admire her accomplishments, and am grateful for the unwavering support she provides, consistently aiding our team in overcoming obstacles and delivering our best work. Collaborating with Oanh has been a pleasure, and I eagerly anticipate future opportunities to work together.

#### **3.2. Nguyễn Mạnh Ngọc Khánh**

Based on my personal evaluation, Khánh demonstrates exceptional responsibility and enthusiasm. As a Developer in this project, he plays a pivotal role, serving as the backbone

of the team and contributing significantly to the product's successful completion. Khánh's proficiency as a programmer, coupled with his wealth of experience, enables him to consistently generate innovative ideas to enhance the product and ensure it aligns with customer expectations.

Khánh's proactive approach to idea generation effectively communicates the team's vision to stakeholders, fostering a deeper understanding of customer needs among team members. His cheerful and humorous demeanor injects positivity into the team environment, providing much-needed relief during challenging and exhausting work sessions.

Furthermore, Khánh's readiness to assist fellow developers in overcoming obstacles demonstrates his commitment to team success. I deeply appreciate Khánh's diligent execution of assigned tasks and unwavering sense of responsibility to the team. Working alongside Khánh in this project has been a rewarding experience, and I look forward to future collaborations with him.

### **3.3. Trần Ngọc Long**

In my opinion, Long is a very responsible and enthusiastic person, with creativity and good thinking for the perfect product development process. In this project, he takes on the role of Developer, which is considered the core of the team and the key to the best possible completion of the product. Long constantly learns from people to develop himself better. He has a strong sense of responsibility and good programming skills. More than that, he is always the one who comes up with creative ideas to better build and develop the functions in the project. When the team has programming problems, he is always ready to help, even if the smallest thing still helps. After completing the project, Long used up what he explored and learned to successfully complete the product with the team. I appreciate Long because he is a cheerful, sociable, and highly responsible person at work. I am very happy to work and team with someone like Long.

### **3.4. Nguyễn Xuân Trường**

According to my personal assessment, Truong is a person with a high sense of responsibility and discipline. He took on the important role of UI/UX Designer in the project, focusing on Frontend development to shape the visual and interactive aspects of

the product. The School's primary responsibility is user interface implementation, turning design ideas into functional user interfaces.

He also took on the role of programming the login/registration functions, which created an intuitive and seamless experience for users when accessing the system. This role requires a deep understanding of user interface technology, user experience design principles, and an eye for detail management to ensure the login/registration process works. smooth and attractive.

The School's contribution is undeniable in creating a user-friendly and aesthetically pleasing interface that improves the overall usability and accessibility of the system for all users.

### **3.5. Trần Diệu Thảo**

Based on my own observations and assessment, Thảo emerges as an outstanding leader within our team. Their exceptional abilities shine through in both the roles of Scrum Master and developer, showcasing a remarkable versatility and proficiency across various aspects of project management and technical execution. Thảo consistently delivers work of the highest quality, demonstrating an unwavering commitment to excellence and a strong work ethic that sets a commendable example for their peers.

What truly sets Thảo apart is their exceptional leadership skills, which are evident in their adept management of Scrum task boards, thoughtful evaluation of team dynamics, and their ability to provide guidance and support when necessary. Thảo's leadership prowess is a key driving force behind the team's success, earning them recognition for their remarkable skill in navigating complex team dynamics and fostering a positive and productive work environment.

Moreover, Thảo's creativity and adaptability further contribute to the team's success, as they consistently bring fresh perspectives and innovative solutions to the table. Their clear communication and collaborative spirit play a pivotal role in fostering open dialogue and effective teamwork, ultimately leading to enhanced project outcomes and overall team cohesion.

In summary, Thảo's multifaceted contributions make them an invaluable asset to the project, with their exceptional leadership, technical expertise, and collaborative approach playing a significant role in driving the team towards success.

### **3.6. Le Hoang Bao Trang**

Le Huyen Bao Trang, in her role as a Developer responsible for the Administrator role's full-stack coding tasks, consistently demonstrates impressive performance across multiple fronts. Her work is characterized by a consistent delivery of high-quality results, effectively blending technical expertise with strong collaboration and communication skills. Trang's innovative ideas and creative input significantly enhance the project's development trajectory, adding value to the team's efforts.

Additionally, Trang maintains a strong work ethic, consistently approaching her tasks with professionalism and integrity. Her ability to adapt to changing project requirements showcases her flexibility and versatility, key attributes in a dynamic project environment. While leadership skills may be an area of potential growth, Trang's individual performance remains commendable, contributing effectively to the team's overall objectives.

Overall, Trang's contributions as a Developer are invaluable to the project's success, particularly in fulfilling the responsibilities associated with the Administrator role. Her dedication, technical proficiency, and collaborative approach make her an indispensable asset to the team.

Table 3 - Factor table

FACTOR	WEIGHT	LONG	KHÁNH	KHOA	THẢO	OANH	TRANG	TRƯỜNG
Job performance	10	8	8	8	8	8	7	8
Participate and contribute	7	8	8	7	8	9	7	8
Creativity and problem-solving ability	6	7	7	8	8	7	9	9
Proactivity and self-management	5	9	9	9	9	8	8	7
Feedback and improvement	5	8	8	8	9	8	8	8
Teamwork spirit	9	8	8	8	8	8	8	8
Responsibility and commitment	10	8	8	9	7	7	7	7
Ability to solve problems	8	8	8	8	8	8	9	9
TOTAL	60	7.98	7.98	8.13	8.00	7.85	7.78	7.98

Figure 1 - Factor comparison

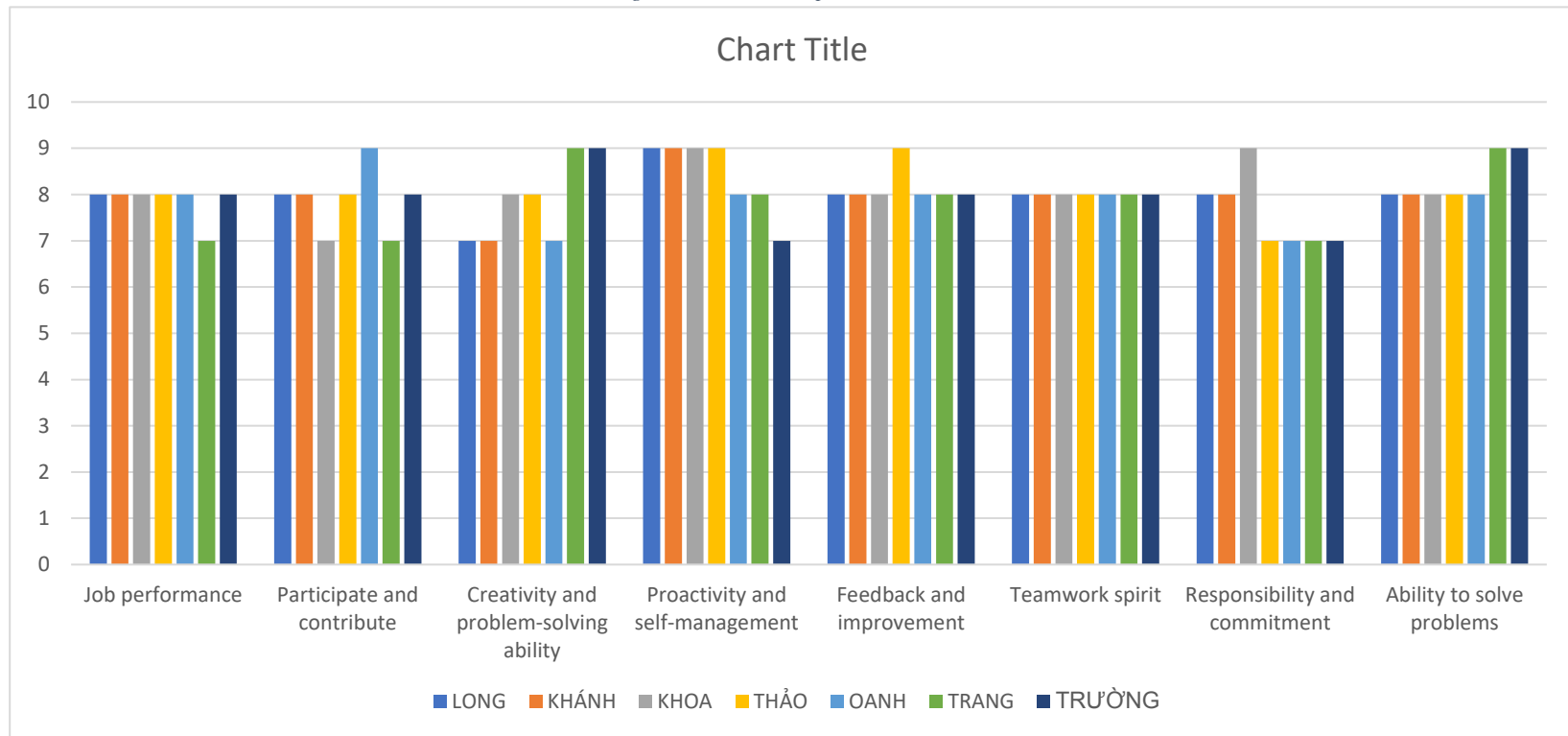
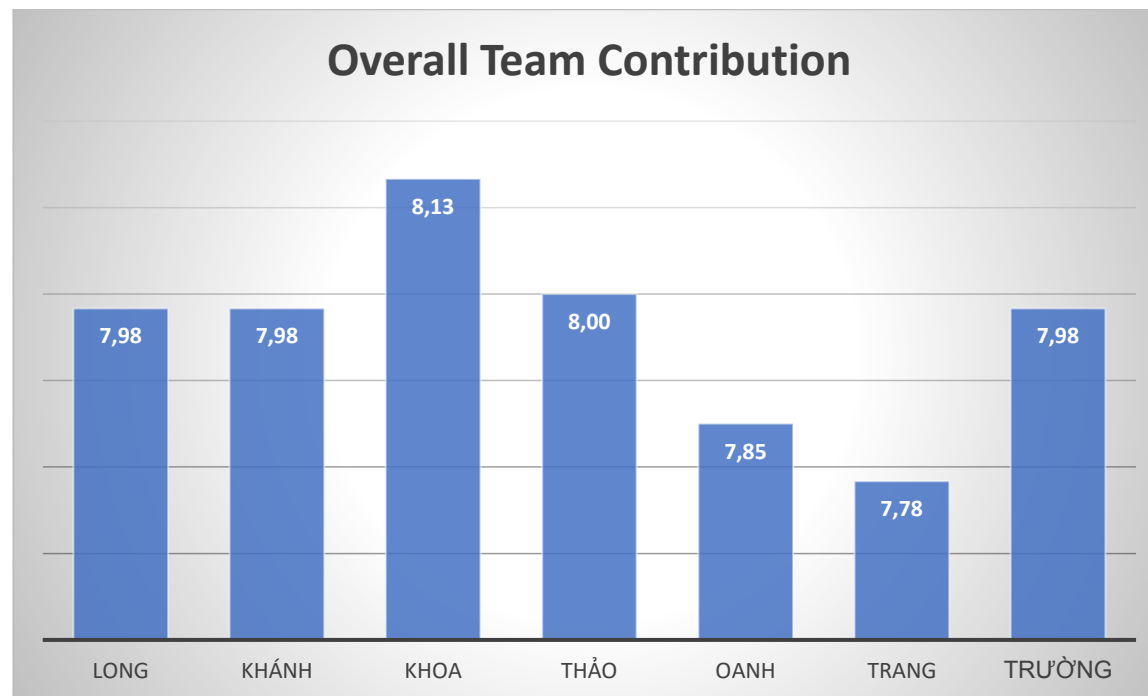


Table 4 - Mark of Overall Team Contribution

FACTOR	TOTAL
LONG	7.98
KHÁNH	7.98
KHOA	8.13
THẢO	8.00
OANH	7.85
TRANG	7.78
TRƯỜNG	7.98

Figure 2 - Overall Team Contribution



## **4. Self-evaluation**

### **4.1. My contributions**

In the project, my role is Student in the project, my primary contribution revolves around managing my articles effectively. I take pride in submitting articles, viewing them, and updating or deleting them as needed. I value the feedback provided by the Coordinator and appreciate receiving email notifications when comments are made or articles are rejected. This ensures that I stay informed and can take necessary actions to improve my submissions. Overall, my role as a Student is to actively engage in the article submission process, striving to contribute meaningfully to the project.



## ○ View personal article

```
using Microsoft.AspNetCore.Mvc;
using System.Text.Json;
using WebEnterprise_1640.Data;
using WebEnterprise_1640.Models;
using WebEnterprise_1640.Models.NewFolder;
using WebEnterprise_1640.Utility;
namespace WebEnterprise_1640.Areas.Student.Controllers
{
    [Area("Student")]
    public class UploadsController : Controller
    {
        private readonly ApplicationDbContext _context;
        public UploadsController(ApplicationDbContext context)

        {
            _context = context;
        }
        [Route("[controller]/[action]")]
        public IActionResult Index(search search)
        {
            var userJson = HttpContext.Session.GetString("USER");
            UserModel? user = null;
            if (userJson != null && userJson.Length > 0)
            {
                user = JsonSerializer.Deserialize<UserModel>(userJson);
            }
            string roleStr = "";
            if (user != null)
            {
                var userRole = _context.UserRoles.FirstOrDefault(ur => ur.UserId == user.Id);
                if (userRole != null)
                {
                    var role = _context.Roles.FirstOrDefault(r => r.Id == userRole.RoleId);
                    if (role != null)
                    {
                        roleStr = role.Name;
                    }
                }
            }
            var manazines = new List<MagazineModel>();
            if (search.searchKey != null)
            {
                manazines = _context.Magazines.Where(x => x.Name.Contains(search.searchKey)).ToList();
            }
            else
            {
                manazines = _context.Magazines.ToList();
            }
            var semesters = _context.Semesters.ToList();
            var map = new List<SemesterModelView>();
            var manazines2 = new List<MagazineModel>();
            var manazines3 = new List<MagazineModel>();
            semesters.ForEach(i =>
            {
                var obj = new SemesterModelView();
```

Figure 3 View personal article controller

This "Student" area controller in the web application serves to present a curated list of magazines to users, alongside associated semester details. It begins by fetching and categorizing user information based on roles, ensuring tailored interactions. Subsequently, it retrieves journals from the database, allowing keyword-based searches for enhanced usability. Concurrently, it gathers semester data to construct a user-friendly display. By sorting journals into active and archived categories based on semester closure dates, users can easily discern current publications. Finally, the controller seamlessly passes these categorized lists and user details to views, facilitating a cohesive and informative user interface.



Figure 4 View personal article

## ○ Submit article

```

using Microsoft.AspNetCore.Mvc;
using Microsoft.EntityFrameworkCore;
using System.Text.Json;
using WebEnterprise_1640.Data;
using WebEnterprise_1640.Models;
using WebEnterprise_1640.Models.NewFolder;
using WebEnterprise_1640.Utility;

namespace WebEnterprise_1640.Areas.Student.Controllers
{
    [Area("Student")]
    public class GetHyIdController : Controller
    {
        private readonly ApplicationDbContext _context;
        public GetHyIdController(ApplicationDbContext context)
        {
            _context = context;
        }

        HttpContext.Session.Remove("TEMP_DOCS");
        var magazines = _context.Magazines.FirstOrDefault(x => x.Id == id);
        var timeEnd = _context.Semesters.FirstOrDefault(x => x.Id == magazines.SemesterId);
        ViewBag.User = user;
        ViewBag.MagazineId = id;
        ViewBag.Magazines = magazines;
        ViewBag.TimeStart = magazines.ClosureDate.ToString("yyyy/MM/dd HH:mm");
        ViewBag.TimeEnd = timeEnd.FinalClosureDate.ToString("yyyy/MM/dd HH:mm");
        var daynow = DateTime.UtcNow.Date;
        DateTime dayEnd = timeEnd.FinalClosureDate;
        ViewBag.Deadline = DateTime.Compare(daynow, dayEnd);
        //kiểm tra xem có bài báo nào đã được nộp
        //nếu đã nộp thì sẽ chạy sang trang đã submit
        var check = _context.Articles.FirstOrDefault(x => x.MagazineId == magazines.Id);

        if (check != null)
        {
            var file = _context.Documents.Where(x => x.ArticleId == check.Id).ToList();
            var map = new ArticleViewModel();
            map.Id = check.Id;
            map.UserId = check.UserId;
            map.Name = check.Name;
            map.Description = check.Description;
            map.Status = check.Status;
            map.MagazineId = magazines.Id;
            map.TimeEnd = timeEnd.FinalClosureDate.ToString("yyyy/MM/dd HH:mm");
            map.TimeStart = magazines.ClosureDate.ToString("yyyy/MM/dd HH:mm");
            map.TimeSubmit = check.SubmitDate.ToString("yyyy/MM/dd HH:mm");
            map.File = file;
            return RedirectToAction("Index", "SubmitArticle", map);
        }
        else
        {
            return View();
        }
    }
}

[Route("{controller}/{action}")]
TempData["ErrorMessage"] = "Title must not empty!";
return RedirectToAction("Index", "GetHyId", new { id = input.MagazineId });
}
if (string.IsNullOrEmpty(input.Description))
{
    TempData["ErrorMessage"] = "Description must not empty!";
    return RedirectToAction("Index", "GetHyId", new { id = input.MagazineId });
}
var userId = CreateCookie("1");
var formfile = await Request.ReadFormAsync();
if (formfile == null || formfile.Files.Count == 0)
{
    TempData["ErrorMessage"] = "Choose one file doc and one image!";
    return RedirectToAction("Index", "GetHyId", new { id = input.MagazineId });
}
bool isHaveDoc = false;
bool isHaveImage = false;
for (var i = 0; i < formfile.Files.Count; i++)
{
    var list = formfile.Files.ToArray();
    var file = list[i];
    if (file.FileName.ToLower().Contains("png") || file.FileName.ToLower().Contains("jpg"))
    {
        isHaveImage = true;
    }
    else if (file.FileName.ToLower().Contains("docx") || file.FileName.ToLower().Contains("doc"))
    {
        isHaveDoc = true;
    }
}
if (!isHaveDoc || !isHaveImage)
{
    TempData["ErrorMessage"] = "Choose one file doc and one image!";
    return RedirectToAction("Index", "GetHyId", new { id = input.MagazineId });
}
input.UserId = user.Id;
input.Status = "Submitted";
input.SubmitDate = DateTime.Now;
var articleAdd = _context.Articles.Add(input);
await _context.SaveChangesAsync();
var lastArticle = _context.Articles.ToList().Last();
var document = new DocumentModel();
document = await GUIUtils.UploadImageAsync(formfile);
document.ArticleId = lastArticle.Id;
if (document.Image == null)
{
    document.Image = "";
}
if (document.File == null)
{
    document.File = "";
}
_context.Documents.Add(document);
await _context.SaveChangesAsync();
}
}

```

Figure 5 Submit article controller

First, it retrieves information about the journal and the corresponding term from the database to display on the user interface. It then sets the ViewBag values to pass data from the controller to the view.

Next, it checks to see if any articles have been submitted to this journal. If submitted, it retrieves information about the article and its attachments from the database and redirects the user to the SubmitArticle/Index page to view detailed information about the submitted article.

If there is no article submitted, the controller will redirect the user to the CreateArticle/Index page to create a new article.

In short, this controller provides a flexible interface for students, allowing them to view information about the corresponding journal and term, and create or view articles corresponding to that journal.

The figure consists of two screenshots of a web application interface for 'BEE MAGAZINE'.

The top screenshot shows the 'Submit article' form. It includes a header with 'BEE MAGAZINE', 'Home', 'Uploads', and a 'Logout' button. The form fields are:

- Article title:** Tech Terrain: Navigating the Digital Landscape
- Article description:** Tech Terrain delves into the ever-evolving world of technology, offering insightful analyses, expert opinions, and in-depth explorations of the digital landscape. From artificial intelligence to cybersecurity, cloud computing to data analytics, we guide you through the terrain of modern technology, empowering you to thrive in a rapidly changing digital world.
- Date submitted:** 2024/03/30 00:00
- Final deadline:** 2024/04/30 00:00

Below the form fields are two input boxes for 'Submit your file:' and 'Submit image:', each with a placeholder text 'Upload file' and a 'Choose file' button.

The bottom screenshot shows the 'Submitted' article details. It includes the same header. The article details are:

- Article title:** eweqqw
- Article description:** eweqqw
- Date submitted:** 2024/04/12 01:39
- Final deadline:** 2024/04/30 00:00

Below the article details is a table showing the submission status:

Status:	Submitted
File submissions:	<a href="#">Download file</a>
Image File:	<a href="#">Download image</a>

Below the table are two buttons: 'Edit Submission' and 'Remove Submission'.

Below the buttons is a 'Feedback, comment' section. It shows a user profile for 'Ed Sheeran' and a 'Good point:' section with a list of comments:

- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
- Need to improve:
- Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Below the comments is a 'Add a comment' section.

Figure 6 Submit article

## ○ Update personal article

```
using Microsoft.AspNetCore.Mvc;
using System.Text.Json;
using WebEnterprise_1649.Data;
using WebEnterprise_1649.Models;
using WebEnterprise_1649.Utility;

namespace WebEnterprise_1649.Areas.Student.Controllers
{
    [Area("Student")]
    public class EditController : Controller
    {
        private readonly ApplicationDbContext _context;
        public EditController(ApplicationDbContext context)
        {
            _context = context;
        }

        [Route("{controller}/{action}")]
        public async Task

```

Figure 7 Update personal article controller

The "Edit" controller in the "Student" area of the web application was created to assist students in editing information about their papers.

The "Index" action allows the user to view and edit information about the current article. It also displays previously uploaded documents so users can update them.

The "EditData" action processes data that the user has edited and sent from the interface. It updates article information and new attachments to the database.

Overall, this controller helps students easily manage and update information about their articles, providing a convenient and flexible interface.

The screenshot displays the 'BEE MAGAZINE' web application interface. The main content area is titled 'Edit Submission' and contains the following form elements:

- Title:** A text input field containing the text 'Hello'.
- Description:** A text input field containing the text 'Hi 123455'.
- Submit your file:** A section with an 'Add file' button and a list of two files: 'Báo cáo toán văn.docx' and 'COMP1787-template (2).docx', each with a red circular icon to its right.
- Submit image:** A section with an 'Add file' button and a list of one image: 'MSI\_MAG.jpg', with a red circular icon to its right.
- Buttons:** At the bottom right of the form are two buttons: 'Confirm' (blue) and 'Cancel' (grey).

The left sidebar contains the following information:

- Article details:** Article title: ewqeqw, Article description: eqweqw, Date submitted: , Final deadline: .
- Status:** Status: , File submissions: , Image File: .
- Feedback, comment:** A section for user feedback, showing a comment from 'Ed Sheeran' with a profile picture, a 'Good point' section, a 'Need to improve' section, and a timestamp of '1 hour ago'.
- Add a comment:** A text input field for adding a new comment.

Figure 8 Update personal article

## ○ Delete personal article

```
using Microsoft.AspNetCore.Mvc;
using Microsoft.EntityFrameworkCore;
using System.Text.Json;
using WebEnterprise_1640.Data;
using WebEnterprise_1640.Models;
using WebEnterprise_1640.Models.NewFolder;
[Route("[controller]/[action]")]
public async Task<IActionResult> RemoveArticle(int id)
{
    var userJson = HttpContext.Session.GetString("USER");
    UserModel user = null;
    if (userJson != null && userJson.Length > 0)
    {
        user = JsonSerializer.Deserialize<UserModel>(userJson);
    }
    if (user == null)
    {
        return Redirect("/Account/Login");
    }
    var userRole = _context.UserRoles.FirstOrDefault(ur => ur.UserId == user.Id);
    if (userRole == null)
    {
        return Redirect("/Account/Login");
    }
    var role = _context.Roles.FirstOrDefault(r => r.Id == userRole.RoleId);
    if (role == null)
    {
        return Redirect("/Account/Login");
    }
    if (role.Name.ToLower() != "student")
    {
        return Redirect("/Account/Login");
    }
    var data = _context.Articles.FirstOrDefault(x => x.Id == id);
    ViewBag.ArticleId = id;
    return View();
}
```

Figure 9 Delete personal article controller

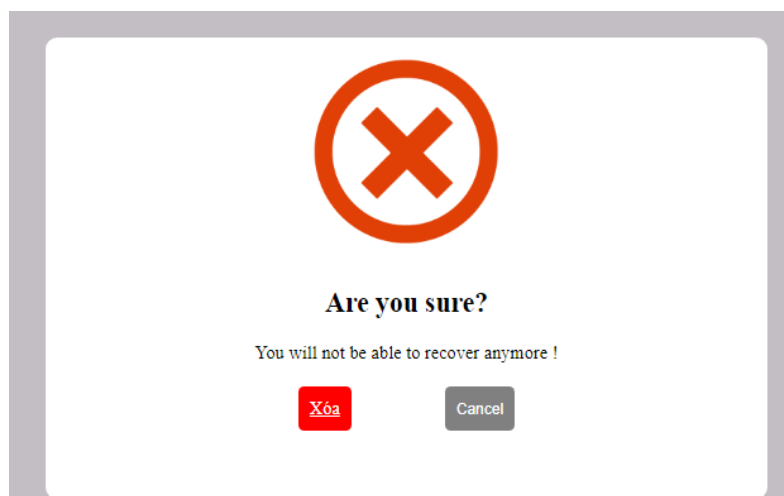


Figure 10 Delete personal article

RemoveArticle: Displays the article deletion confirmation interface.

## 4.2. Reflection on my own performance

Reflecting on my own performance, I am pleased with my contributions as the programmer responsible for implementing the coordinator role in the website. My proficiency in ASP.NET Core development has been evident throughout the project, especially in designing controllers that efficiently handle various functionalities.

I successfully managed article submissions and selections, ensuring a smooth user experience by incorporating filtering options for enhanced navigation. Moreover, my implementation of email notifications effectively facilitated communication with users, providing timely updates on submission status.

Utilizing Entity Framework Core for database interactions was crucial, and I ensured seamless data retrieval and manipulation to support the system's functionalities. My attention to detail was evident in robust error handling mechanisms and the secure handling of sensitive information, such as email credentials.

Meeting all tasks before the deadline underscored my commitment to project timelines, while my effective communication with team members fostered collaboration and synergy within the team. Overall, my performance showcased strong programming skills, excellent communication and teamwork, and a comprehensive understanding of web development principles within the context of the magazine management system.



### 4.3. Lessons learnt

About how to work	<p>When assigned tasks, I took a proactive approach by continuously researching and expanding my knowledge base. Throughout the process, I meticulously analyzed my clients' requirements to deeply understand their needs, allowing me to create innovative and visually appealing concepts that prioritize friendliness. with users.</p> <p>During team meetings, I enthusiastically present my ideas, inviting team members to respond and collaborate. Their input enriched the development process, resulting in more refined and polished designs. In addition to my designated responsibilities, I remain committed to supporting team members by providing support whenever challenges arise, fostering a collaborative and supportive team environment.</p>
Knowledge	<p>As a developer, my role is critical in the final stages of product development as I am responsible for creating all development interfaces, workflows, and other elements. other factors. To ensure the success of the product, I have strived to constantly learn and improve my skills, discovering new techniques and trends to improve the overall quality of the product.</p> <p>Furthermore, effective communication with programmers is essential to harmonize design and functionality seamlessly. By maintaining open and clear lines of communication, we can align our ideas and goals, minimizing the risk of conflicts that could delay product releases. Collaboration and consistency in design choices are important because they ensure that the final product meets both aesthetic and functional requirements, providing a cohesive and satisfying user experience. Therefore, I make it a priority to foster close communication and collaboration with my team members to streamline the design process and deliver exceptional products to our customers.</p>

Teamwork	<p>Upon completing this project, I've noticed significant growth in my teamwork skills. Our group meetings fostered an environment of active listening and idea-sharing, where every team member had the opportunity to contribute to the project's development. Despite occasional conflicts among team members, I took the initiative to collaborate with the Product Owner to resolve issues promptly, ensuring that the project progressed smoothly and met expectations.</p> <p>Interestingly, these conflicts served as catalysts for bringing our team closer together. By addressing and resolving conflicts effectively, we strengthened our bonds and gained a deeper understanding of each other's perspectives. Throughout this experience, I've valued the insights and lessons learned from every team member, which have contributed to my personal growth and development.</p> <p>Overall, working alongside my team members has been an enriching experience that has allowed me to refine my teamwork skills and strive for continuous improvement.</p>
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## 5. Conclusion

In conclusion, embarking on this subject has been an enlightening journey filled with invaluable lessons and profound growth. As I stand at the culmination of this endeavor, I am filled with gratitude towards my esteemed team members and revered teachers. Their unwavering support and collective efforts have been instrumental in shaping my understanding of teamwork and the intricacies of the Scrum model.

Through the prism of this subject, I have not only gained a comprehensive insight into the mechanics of Scrum but also honed my ability to collaborate effectively within a team setting. Delving into the depths of the design realm, I have emerged with a newfound clarity on how to navigate its complexities, discerning precisely what it takes to translate vision into tangible reality.

Moreover, this project has served as a beacon illuminating the path to innovation and customer-centricity. Armed with the knowledge gleaned from this experience, I am equipped with the tools necessary to craft products that resonate deeply with the needs and aspirations of our clientele.

As I bid farewell to this chapter, I carry with me a profound sense of purpose and determination. This project, far from being a mere academic exercise, has become a springboard propelling me towards future endeavors. It serves as a testament to my growth, a testament to my resilience, and a testament to the boundless possibilities that await on the horizon.

With newfound zeal and unwavering resolve, I embrace the future, confident in my ability to chart a course marked by innovation, collaboration, and unwavering excellence. This subject has not only equipped me with the skills necessary for success but has also instilled within me a profound sense of gratitude for the transformative power of knowledge and teamwork.