

# Project Report

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Individual Assignment.

COMP1640

Enterprise Web Software Development

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## Introduction:

This report will provide an overview of the system and a general evaluation of the website such as functionality, security, interface, etc. Besides, it is to learn about agile scrum and how to apply it to the team to develop work efficiency, for the best product. We will outline the advantages and disadvantages of applying agile scrum to the project and difficulties in the project process and how to fix it. And the last is a detailed assessment of yourself and evaluate each team member in the working process in the sample table.

### - Evaluation of product:

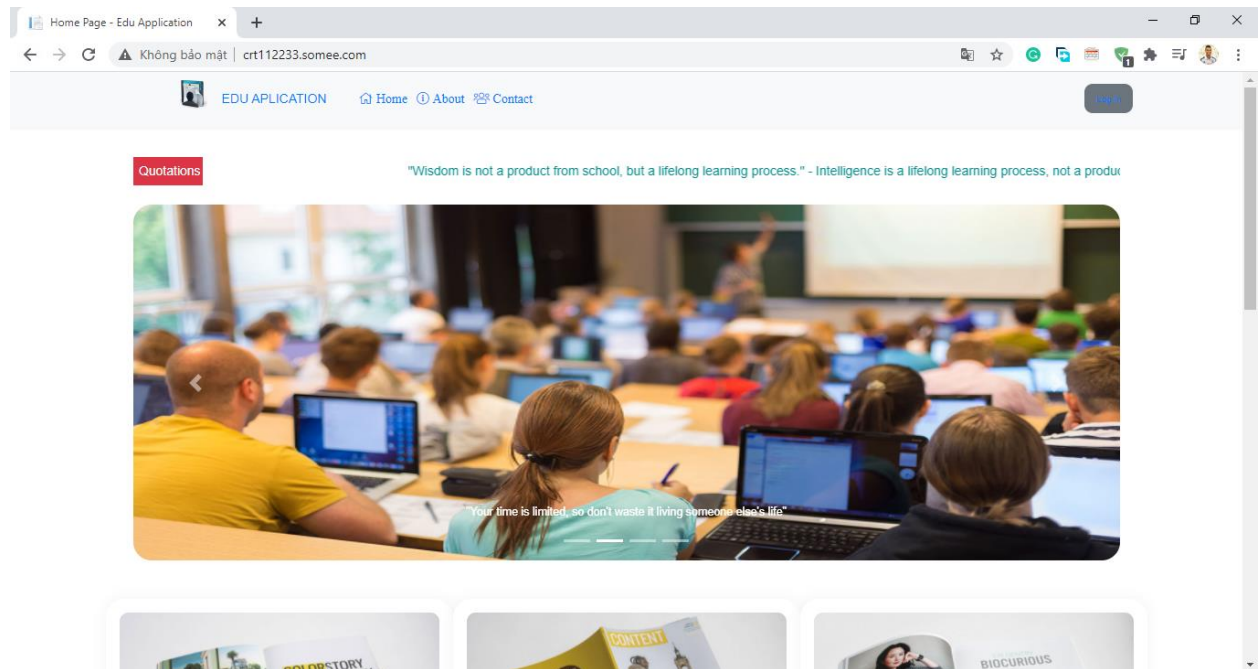


Figure 1:home Page

- Website created and activities planned for the project, although some functions have been implemented and the changes required by topic, website uptime frequently, limiting hiatus, because The system is run on localhost, the website load time is fast and helps users to have a fast experience.

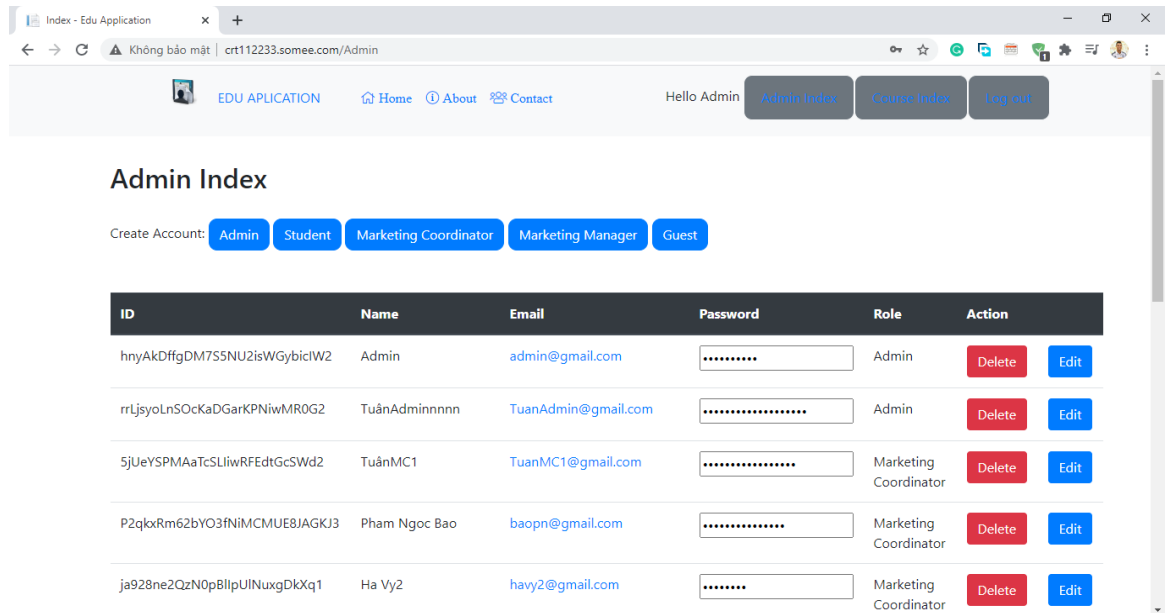


Figure 2: Function of page system

- In addition to the function of adding, editing, deleting, and uploading documents in zip format, it has been successfully created by the programmer. Besides, website interfaces such as images and colors are designed at an average level, not considered too excessive because the working time is limited before the deadline. Website layout on 3 pages of home, about, contact, login is designed to be simple and easy to manipulate for users. About the website's user interaction functions including adding, editing, deleting, uploading documents, managing the document system equivalent to each certain actor in the system, especially the interaction with readers via function. chooser document and read in numerical order is divided by department, users can message directly to the author via chat box functionality and commentary in each article. The website system is meant to promote the university's media, helps readers understand the university's culture as well as necessary information, the system displays the content and knowledge in each course of the university each faculty.

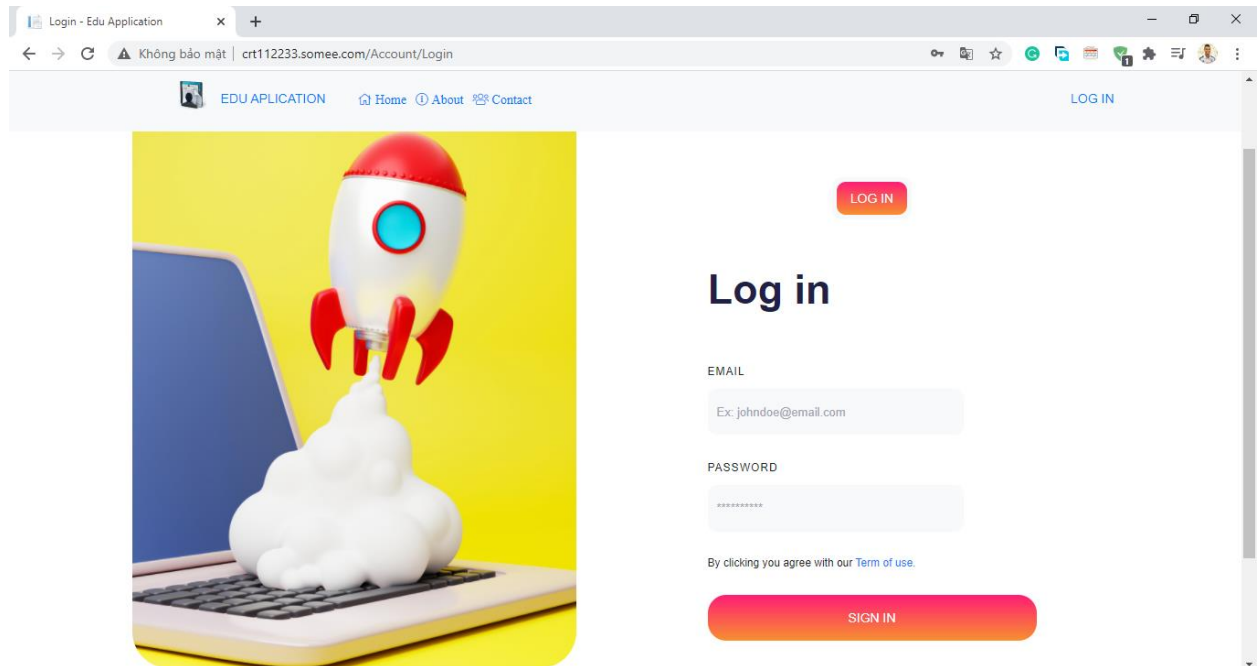


Figure 3: Page login

- Besides, the system's performance is optimized in terms of images, the maximum speed and stability of the page load, and the content and keywords are easily searched.
- The system is securely placed on a separate server (host server), creating stability, managing the google firebase database and encrypted password as MD5 for each account, making security more optimal prevention of strange attacks.
- Owners of systems often work with the website, for example, things like post news, browse updates. v.v. therefore, designed for site administrators have built friendly, used for better system administration and maintenance.
- Evaluation of process:
  - Good thing when applying agile scrum to project: A member of the team can do many things like developing and testing, and through the work, the process can detect system errors much earlier than traditional methods. Besides, customers can quickly use the product, thereby giving early feedback and improving the system better.
  - Bad thing when applying agile scrum to project: Each member's qualifications and skills are limited by the project requirements and assigned work, besides there are 1 to 2 members who do not have agile knowledge and need time to get acquainted with the model. The difficulty in defining budget and timing is a difficult issue for the team in the process of doing.
  - First, for a project with 5 team members and the work is divided equally for each member, the product owner is the creator of the product backlog, then the remaining

members will gradually execute the product owner requests with the Repeating of these phases over 3 weeks is known as the sprint. The first week of implementing the system with 5 team members met some difficulties such as choosing technology, language for the project because a team member was ill and had to move the project day to the 3rd day of the week. Next, the division of tasks for each member are very convenient because this role needs volunteers and with experience available in each individual, the work begins to be deployed. Each team member will have to review and record the time spent on the work, each day's work progress in the sprint backlog.

Tasks	Volunteer	Status	Estimate (time)	Monday (15/2)	Tuesday (16/2)	Wednesday (17/2)	Thursday (18/2)
Create database	Vinh	Done	0				
Code front-end for submit articles and photos	Bao	Done	1.5				
Code back-end for submit articles and photos	Thuyen	Done	1.5			1.5	
Write test case, test log	Nguyen	Done	1				0.5
Create database	Vinh	Done	6	2	1		2
Code front-end for create user accounts and au	Bao	Done	2				
Code back-end for create user accounts and au	Thuyen	Done	3				1
Write test case, test log	Tuan	Done	4				
Total			19	17	16	14.5	11

Figure 4:Product backlog and sprint backlog

- The actual effect: After 3 weeks of work by the team showed that the practical effect that the system is completed fully functional, the interface easy to use and were handed over to customers, besides The ability to help improve team spirit, optimize work efficiency has been significantly improved thanks to daily meeting meetings. Software quality is improved, time is shortened, increases customer satisfaction with products and the ultimate effect is to minimize risks during system construction.

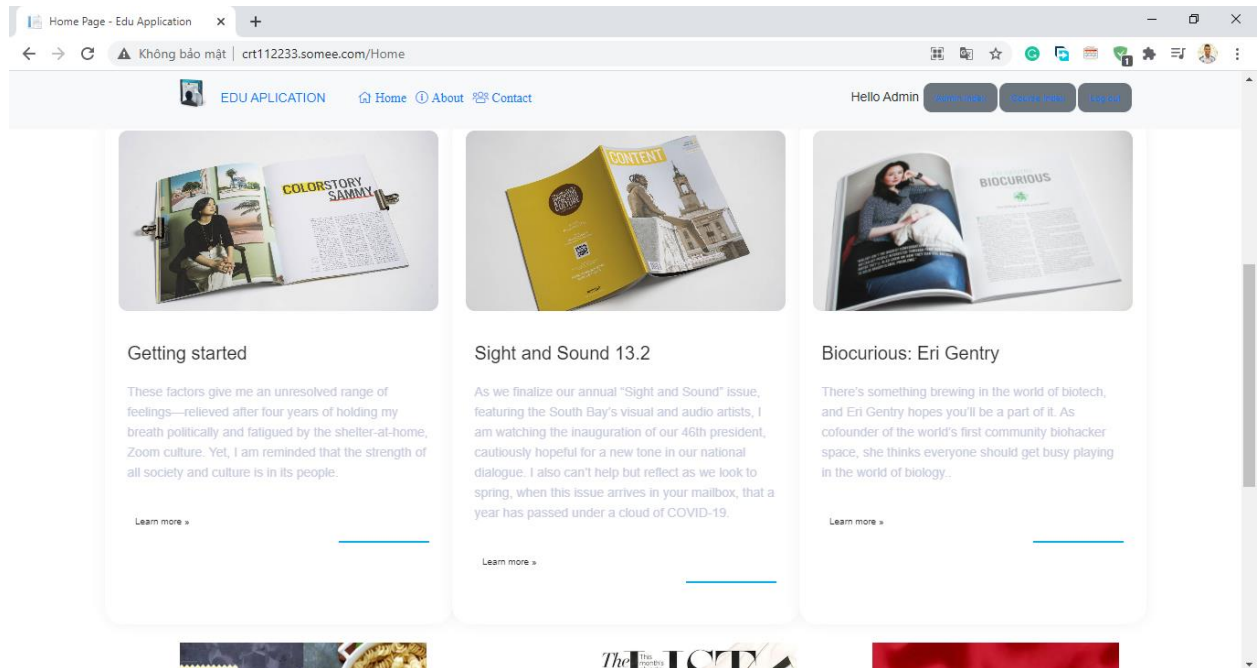


Figure 5: page web interface

- Constraints and difficulties in teamwork: starting the project with the first week of work, each team member faced many difficulties such as dividing work and taking on tasks in each project until it was completed., there are 1-2 members who do not have self-awareness, and they work passively, have to remind a lot, time management is not effective, in the group, there are members who suddenly get sick and affect progress work degree. An individual member of the group quit and withdrew from the group to affect the progress of work, part of work to share equally the remaining members. The difficulty for me is that time management is not good, deadlines are very fast so work progress and reports need to be speeded up before the deadline, a lot of data needs to be processed References are few and limited by copyright.
- repair solution: For poor time management, slow work progress, the people here who are product owners and scrum masters regularly check each member's work progress weekly based on the product backlog and daily meeting of the group. The way to overcome work management issues, work completion schedule is to communicate more with team members, find answers to difficult things, plan and assign task services, and targets for each day.
- Evaluation of myself: For myself, in work time to complete the project, I evaluate myself according to 4 criteria as skills of teamwork, management skills work, the ability to handle the job, and communication skills.
  - Firstly, with teamwork skills in the first week of receiving the work, I always respect the opinions and suggestions of the team members as well as the opinions of the

product owner, thereby revising and discussing through the daily meeting to have got the best results. Convincing, presenting work progress: I always present my opinions and understanding about the work and tasks I undertake through each meeting and share my knowledge to work together to come up with suitable methods to solve the problem.

- Management skills, organize and assign work to themselves: discuss and solve problems arising in the group with the group, plan to evenly divide the work for each day, and ensure the work is completed on schedule.
- The ability to handle work and communication skills: in the process of working new difficulties always arise, I always look for huge resources on the internet and combine them with my knowledge to handle problems in Work. In every daily meeting, I always express my thoughts and opinions with a constructive spirit and respect the opinions of the group. But on the contrary, I have a weakness that is not good time management skills, for example, I am distracted by many other factors in my life such as friends, games that affect the time I spend completing the project.

- Evaluation of each team member

Number of team	Role in the group	Content rated	Grade
1. Nguyen Hoang Thuyen	Programmer, Information architect, Product owner	Attend all the meetings, occasionally contribute ideas, always complete the work assigned by the team on time and with quality, or contribute ideas.	Merit
2. Pham Ngoc Bao	Web designer, Programmer	Attend all the meetings, occasionally contribute ideas, always complete the work assigned by the team on time and with quality, or contribute ideas.	
3. Do The Vinh	Database designer, Web designer.	Complete work on time, actively contribute ideas, participate fully in meetings.	Merit
4. Nguyen Van Tuan	Scrum master, Tester	Participate fully in all meetings, occasionally contribute ideas, always complete the work assigned by the team on time and with quality.	Merit



5. Do Ho Nguyen	Tester	Participate in a few group meetings, occasionally contribute ideas, complete group work on time.	Pass
6. Ha Ngoc Vy	Web designer	Do not attend any group meeting, do not contribute personal opinions, complete group work on time.	Pass

### Detailed reviews

Nguyễn Hoàng Thuyền: As members have good knowledge of the work, always complete assigned tasks, completion of a voluntary and timely, quality very good job. He is a knowledgeable person with back-end knowledge and is responsible for being the product owner, creating the best functionality for the system. Through each daily meeting, he receives the opinions of members and handles new requests to the system well.

Phạm Ngọc Bảo: Is a member who can communicate well with the team from which to work and coordinated well, creating the best operating line for the system. Being knowledgeable about front-end developer so the product he created is very good-looking for the user, the member can handle difficulties quickly because of his skill in controlling situations. An acumen at work, always making the right decisions before new requirements. Being a member always completes the task on time and with quality.

Đỗ Thế Vinh: Complete the assigned work on time and in good quality, with experience and understanding of ERD and databases. As a person responsible for the job, whether it is a team or individual work, he always proactively plans and sets goals for the job, and at the same time cares about the work of his colleagues.

Nguyễn Văn Tuấn: Completed well the assigned work, on time, with quality. Help other team members. Positive and proactive, a member with excellent system testing skills, excellent website functionality testing, and good master scrum skills. Through each daily meeting, he is a very responsive person, always flexibly creating a schedule and detecting system errors very early, and solving different difficult situations at work quickly. But his downside is that he is often late to group meetings and group activities.

Đỗ Hồ Nguyên: Average communication ability, sometimes giving opinions to the project, is a member whose health is slightly poor so it needs further improvement, who is responsible for the job and has skills in a system check comprehensive way.

Hà Ngọc Vỹ: As a new member of the group, he has ignored a lot of daily meetings and work notes need to be more self-conscious and proactive in completing better, has not shown many contributions to the group, has tried to finish the job.

**Lesson learnt:** When completing the magazine project and through the activities of the tasks, I have given myself certain lessons and insights such as: divide the time and arrange the work more reasonably. Set clear focus and small work goals: when setting up a job, plans need to be clearly defined. Working in groups with a positive attitude, first working on a work plan, reviewing and breaking down the difficulty of the task, then writing a report is necessary and time-consuming. Therefore, it is an advantage to break down the work. During the work, I have learned more knowledge such as learning how to design a website interface that is suitable and beautiful for users, besides reviewing old knowledge such as data security, what is data validation and how to apply it to the system, from there learn how to create an ERD diagram for a system and how to create a database for projecting requirements. Through the project, I learned more about the agile scrum model and learned how to apply the agile scrum successfully to project management, so I know what the product owner needs to do. how to set up the product backlog and how the sprint backlog works and how they work.

## Link To project

### Group members:

- Nguyen Hoang Thuyen, ID: 001181275, Role: Programmer, Information architect, Product owner
- Pham Ngoc Bao, ID: 001181141, Role: Web designer, Programmer
- Do Ho Nguyen, ID: 001181241, Role: Tester
- Nguyen Van Tuan, ID: 001181305, Role: Scrum master, Tester
- Do The Vinh, ID: 001181111, Role: Database designer, Web designer
- Ha Ngoc Vy, ID: 001143934, Role: Web designer

### Repository: <https://github.com/Thuyen21/EW>

### Screen Cast: <http://www.youtube.com/watch?v=wBGnxqTTZpU>

### Public Site: <http://crt.somee.com/>

### Backlog:

- <https://docs.google.com/spreadsheets/d/1juftHGaESFc8EW44YYNgaAw5PF4Eu8OZur5H6tMhUDY/edit?usp=sharing>

### User account:

- Admin: [admin@gmail.com](mailto:admin@gmail.com) Password: adminadmin
- Marketing Manager: [TuanMM1@gmail.com](mailto:TuanMM1@gmail.com) Password: [TuanMM1@gmail.com](mailto:TuanMM1@gmail.com)

- Marketing Coordinator: [cje.madlife2000@gmail.com](mailto:cje.madlife2000@gmail.com) Password: [cje.madlife2000@gmail.com](mailto:cje.madlife2000@gmail.com)
- Student: [studentbao@gmail.com](mailto:studentbao@gmail.com) Password: [studentbao@gmail.com](mailto:studentbao@gmail.com)
- Student2: [pnb@gmail.com](mailto:pnb@gmail.com) Password: [pnb@gmail.com](mailto:pnb@gmail.com)
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