

CAPSTONE PROJECT REGISTER

Class: Duration time: from 1/5/2023. To 31/8/2024

(*) Profession: <Software Engineer> Specialty: <ES> ☐ <IS> ☒ <JS> ☐

(*) Kinds of person make registers: Lecturer ☒ Students ☐

1. Register information for supervisor (if have)

	Full name	Phone	E-Mail	Title
Supervisor	THÂN THỊ NGỌC VÂN		VanTTN2@fe.edu.vn	Mrs.

2. Register information for students (if have)

	Full name	Student code	Phone	E-mail	Role in Group
1					Leader
2					Member
3					Member
4					Member

3. Register content of Capstone Project

(*) 3.1. Capstone Project name:

- English: Beauty Blogger's Assistant
- Vietnamese: Trợ lí “beauty blogger”

a) Context:

Phuong Phuong is a female beauty blogger. She actively participates on various social media platforms to share about new and trending beauty fields. She shares her experiences with various beauty products and services, and then

offers her personal reviews on her personal page (blog), Instagram, TikTok, and Facebook.

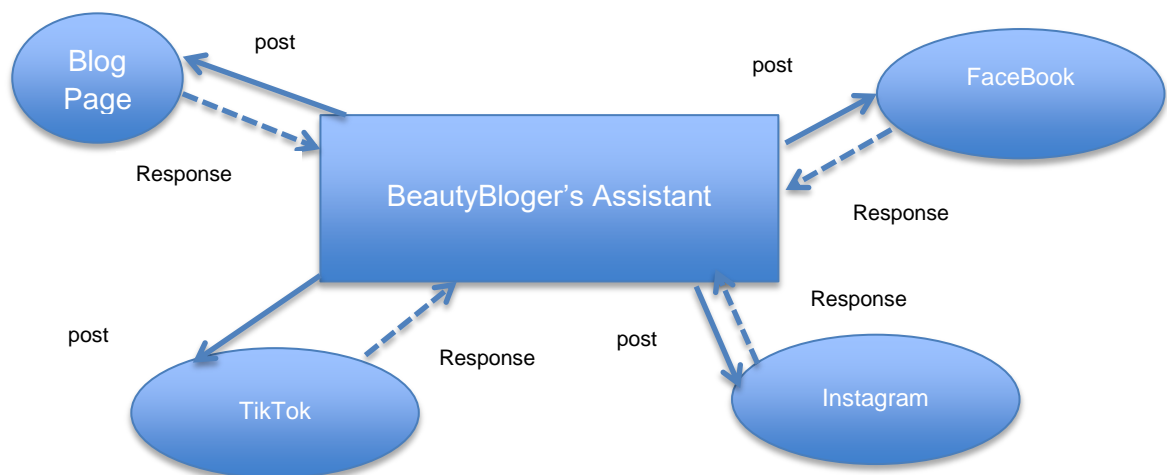
Currently, the number of people following her on social media platforms is increasing, and her influence can lead to trends in the beauty world. She earns income from posting advertisements, linking brands, participating in events, and creating digital content to post on these platforms.

To produce this content, her team needs to carry out tasks such as:

- Develop appropriate scripts and then record makeup tutorial videos, use various products, or perhaps emulate the style of celebrities, etc.
- Try out new or trending beauty products on the market and then provide reviews and comments on their pros and cons based on personal experience.
- Upload videos to various media channels, adjust and change the content of future videos based on the feedback from followers and the requests of the audience.

Currently, the workload is quite substantial, but Phuong Phuong and her team do not have any applications to assist them; they mainly use Excel, Zalo, email for work management.

Due to this urgent need, she wishes to have an application that helps her plan her work, script video content, list beauty products/services featured in the videos, record and manage videos during production, and manage posting across various media channels and her personal page (blog).



b) Proposed Solutions

Develop an application to assist in work planning, scripting video content, listing beauty products/services featured in videos, recording and managing videos during production, and managing posting and responses across various media channels and a personal page (blog).

The application includes actors:

Beauty Blogger: is the user with the highest role, has the right to view all content within the system.

Brand Assistant: is an employee of the beauty blogger, responsible for working with brands.

Content Assistant: is an employee of the beauty blogger, responsible for scripting videos and managing tasks related to video production.

Media Assistant: is an employee of the beauty blogger, responsible for posting videos on various media channels and collecting feedback statistics from followers on those videos.

Admin: Manages user information and system configurations for operation.

c) Functional requirements

Beauty Blogger: includes functions:

- + View information in all stages of producing a video
- + View information on brands that are linked
- +View information on products/services of the brands
- +View the contract's information for advertising campaigns between the brands and her
- +View statistical information and feedback from media channels related to the video
- +View transaction's information related to contracts with the brands

The beauty blogger's team is divided into groups such as:

Brand assistant:

- + View information on brands that are linked
- + View the products/services of the linked brands for video production.
- + Record the terms, conditions in the advertising contract with the brand.
- + Create advertising contracts for the brand's products/services.

Content assistant:

- + create script for a video
- + Manage tasks related to video shooting, such as: location, equipment, and wardrobe, post-production.
- + Manage the draft and final versions of videos.
- + View statistical information

Media assistant:

- + View final version of videos
- + Post the video on media channels.
- + Statistics on feedback from followers across media channels on the video.
- + Provide a comprehensive evaluation

Admin:

- + Manage (view, update, search) users
- + manage system configuration's parameters

- Non-functional requirement

- GUI must be simple, friendly, and easy to use.
- The language used in the application is Vietnamese
- The product is used in Viet Nam

(*) 3.2. Main proposal content (including result and product)

a) Theory and practice (document):

- Students should apply the software development process and UML 2.0 in the modeling system.
- The documents include User Requirements, Software Requirement Specification, Architecture Design, Detail Design, System Implementation and Testing Document, Installation Guide, sources code, and deployable software packages
- Server-side technologies:
 - Server: ASP.NET Core API, Firsebase or other suitable technologies
 - Database System: SQL Server or other suitable technologies
- Client-side technologies: suitable technologies

b) Products:

All modules for actors are web-app

c) Proposed Tasks for Students:

- Task package 1: Develop the APIs for the system.
- Task package 2: Develop the Web Application for Admin
- Task package 3: Develop the Web Application for beauty blogger, Brand assistant, Content assistant, Media assistant
- Task package 4: Build – Deploy and Test the system.
- Task package 5: Prepare all the required documents: System analysis and design, test plan, installation manual, and user manual.
- Notice: all students are required to understand the reference documents thoroughly and may need to explain to the viva committee.
- All above features are only basic information. The team needs to analyze more requirements so the product can be used easier.
- Currently stage, the team can perform the function “Statistics on feedback from followers across media channels on the video” on two selected media channels.

4. Other comments (propose all relative things if have)

HCM, date 23/03/2024

Supervisor (If have)

On behalf of Registers

(Sign and full name)

(Sign and full name)

Thân Thị Ngọc Vân

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