UNIVERSITY of GREENWICH

Alliance with FPT Education

Higher Nationals in Computing

COMP1640

Enterprise Web Software Development

REPORT

Student name: TRAN THI THANH BINH

Student ID: GCS18836

Group name: NYKAB

Assessor name: LE NGOC THANH

Class: TCS2011

Assignment due: 20 April 2021

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Contents

1. Member of team

Group name: **NYKAB**

Team members - roles

MEMBERS	ROLES
Vo Hoang Yen	Information architect, scrum master
Nguyen Ngoc Nhi	Tester
Nguyen Dang Khoa	Programmer
Do Lam Hoang Anh	Web design, Information architect
Tran Thi Thanh Binh	Programmer

2. Evaluation of product

Overall, the system has been well designed and developed to respond to almost complete application requirements already out of the system.

Regarding the database system, full of data for the objects using the system and the functions of the system. Table data is named, easy to understand; the field data in the table details is almost absolutely accurate. Building systems between tables aims to link information between tables very well. The proof is that the speed of querying data between tables is very fast and closely. Database documentation is also prepared in detail from ERD design drawings by draw.io software to building models for the system. However, the current issue of security is still weak, if we have more time, we will fix it immediately.

Regarding the process of building the interface, the link between UI and UX is very tight. First, we implement a sitemap so we can use the functionality of the objects in the system. Then, conceptualize the interfaces of individual objects (UI) to detailed design using Figma tool design. Besides, during the design process, we made the system manual song and below each figure cut from the design, there is an additional explanation. All functions must be designed and designed in different dimensions. During the design implementation, problems that arise are inevitable such as the design lacks a function in an object, page confusion, etc. But in the end, after much

discussion, the problems were resolved. to handle.

The development of the system's functions is also quite stable. Based on the requirement listed in the Product backlog, some of the functions that we perform are being used by nearly 90% of the total listed functionality. Besides functional development, we are also interested in functions such as improving security. We may use additional image validation when performing login and adding a function in the report. And feedback is configured on the screen of the form. At the end of each sprint, the commissioning begins and the results are given, if corrections are needed, it is put into the next sprint or run. At the sprint end, we test the system and calculate its success rate. The standard document is for too a running try to be done from the first date for the console interface. Most are on the list of running successful tests, but there are also a few sub-functionalities rated as unstable.

3. Evaluation of process

The system build is pretty good for a team that started using Scrum after learning how Scrum works. System development and required documents are systematically linked and carried out in parallel. Members are free to comment or add comments. Analyzing the system requirements, assigning the members' work to the interface design stage is fine. However, at the functional development stage of the system, the initial tentative time we proposed hasn't ended. The actual feature building process is risky, and issues like the new feature need to be explored more and debugging takes longer than expected. However, using Scrum allows us not to worry about adding requirements or making adjustments to improve the system. We hope to be able to implement Scrum in the next project so we can focus on the project completely. As we have other topics, it is difficult to arrange a free time to meet, so we can only meet twice a week. Also, the documentation of the product creation process is stored in certain folders and saved by the meetings for retrieval later.

4. Evaluation of team

- Vo Hoang Yen: the analyst, responsible for the documentation in the process. Continuously support the remaining members when they have questions about the functional requirements of the system in her understanding. She is present in all group

meetings.

- Nguyen Ngoc Nhi: Testing the system. She participates in all meetings and constantly takes care of people, supporting other members when they have problems in the project. She is a capable tester
- Nguyen Dang Khoa: A capable programmer. He is diligent and is always looking for the fastest way to build functions and suggest additional functions in the system. He is present at almost all meetings.
- Do Lam Hoang Anh: A good listener and patient who combines very well with requests from the other members. Skills to use quick, neat drawing tools. Streamlined and edited interface code reasonably. And is the one who records the daily meetings of the group. However, she's late, so one of the members will record it and send it to her later.
- Tran Thi Thanh Binh: She is in charge of database construction and functional development for the system. Ability to concentrate, communicate and explain work to other members. And she is present in all meetings.

All members make great contributions to the overall efforts of the group. They do very well their assigned tasks and provide great support to other members. On the other hand, there are still some people who make mistakes but still strive to complete the task.

Table 1: Evaluation of team

Factors	Weight	Yen	Nhi	Khoa	Anh	Binh
Attendance	10	10	10	9	7	10
Attitude	9	9	9	9	9	9
Contribute	9	8	8	8	7	7
Communication	10	10	9	10	9	10
Complete the task	10	10	10	10	10	9
Total	9.6	9.4	9.2	9.2	8.4	9

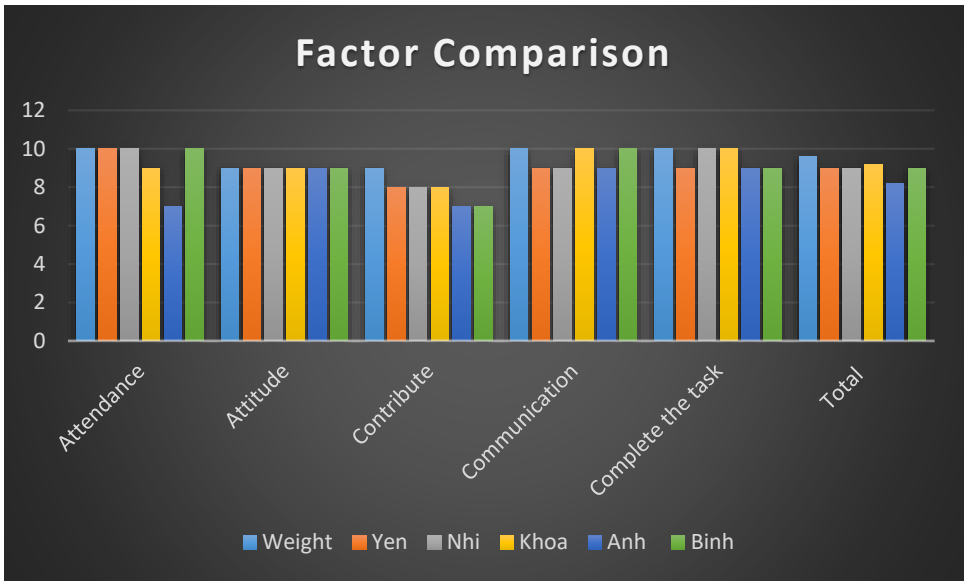

Figure 1: Factor Comparison

5. Self-evaluation

My task on the team is to design the database and program the functions in the system. After the first meeting and analyze the functions and objects with the whole group. I do a database design (ERD), and after discussion, we will modify the database to avoid missing fields in the data table. Then I build the database in the Model of the system. The second task is to develop functions in the system together with the Faculty. When I have a problem, I will ask for the help of other members. During the development of the system, I completed the assigned tasks on time. Participate in all group meetings. My strength is communication, so during meetings, I try to help the members of the group feel more comfortable, communicate with each other more by setting up a group chat on Zalo. At the same time, I learned how to document and how Scrum works, how to listen and synthesize opinions. There is some unsatisfactory functionality on the last testing, if there is more time I will correct the unsatisfactory functions.

6. Conclusion

The result of our team project was the magazine web system. Most of the functions in the system respond well to the requirements set out for the system. We use Asp.Net to do system development, allowing it to run on different platforms. And using the Scrum method to build a web system, has helped us complete the work on schedule and the communication between

members is still very good. And understanding the process and implementation in Scrum, after this project has helped me gain more experience on how to work in the Scrum method, which will be useful for me in the future.