Milestone 2

Software project

1. **List the Resources you need to complete your project (the number of resources required depends on your project). This includes equipment, software, assets, etc…**

* Net beans
* Photoshop
* Xammp
* Brackets
* Java Script
* Screen cast
* Word
* GitHub
* Chrome
* Adobe pdf reader

1. **List 2 topics/aspects you need to research or practice more in order to have enough skills to complete your project.**
2. **Database:** Need more practice on database. How to create the database and connect it to my website and to my desktop application and how to store information from the website and the desktop application.
3. **PHP:** Need more experience on php since we just started learning it this semester still haven’t understand the language fully and how to do certain things that I need to apply to my software project like sending an email when the user has registered etc.
4. **List and explain 1 risk that can happen during the process of carrying out your project, and what you plan to do in case it actually happens.**

* A risk that I am worried about is that I will get stuck on a specific task and lose a lot of time to complete other tasks. Since of lack of experience on database and PHP. If this occurrence happens I will do some research and ask my fellow class mates or my lecturer.

1. **Mention an existing system the aims of which are similar to yours. Explain some of the most important and/or interesting features it has.**

I found a similar system of The Foto Grafer Malta. Which it has a simple browsing website that will be the aim of my website, it also has the gallery feature, the about us and the contact page. It also has the feature that I am going to implement that is the buying of products. The interesting feature of this website is that it has a blog page although it’s still not implemented by this photographer. Although noticed that other websites which also have this feature where they post latest events and post a picture of the event and make a brief description. Would like to add this feature maybe in the future.

**5) In this section you will be planning your testing strategy.**

**a) Plan and explain the testing strategy for your web application. Keep in mind the following points:**

* **What testing methodology and levels of testing will you be using throughout development and after development of your web application?**
* **What data will you use as part of your testing?**

For the process of testing my system I would like to use the iterative development that will do cycles of going through requirements, design, code and test this will help me for when I need to add certain thing or even remove, it will also help to make testing more easier and not cramp it at the end of the project. I will include the testing levels like the unit testing where I will separate the project into units and test everyone separates and make sure there is no bugs. Then I would use the bottom up integration to implement the units together. Then do the system testing to test that the system wasn’t affected when the units where joined.

The data that will be used in my testing will be valid data and invalid. For example, the log in page testing when the username and password is correct, and for invalid data when username or password is incorrect of empty fields.

**b) Plan and explain the testing strategy for your desktop/mobile application. Keep in mind the following points:**

* **What testing methodology and levels of testing will you be using throughout development and after development of your desktop/mobile application?**
* **What data will you use as part of your testing?**

The process for testing my desktop application will also be the iterative development for the reason I believe that it is the best testing methodology. I will also will implement the Boundary value analysis of the black box to test the inputs and the boundaries of each value. For when it comes to levels of testing I will implement the same levels for the website application.

The testing for desktop application will be like the web application testing valid and invalid data. For example, when the photographer enters the desktop app the username and password is correct or incorrect or if there is an empty field.

1. **Divide the work that needs to be done into smaller tasks. Do not forget to include tasks which are not explicitly part of the system (such as testing and documentation). You can start from the next milestone after this one, i.e. Design/Modelling.**
2. Plan testing strategy.
3. Plan the designing stage
4. Start design
5. Do home page
6. Do about page
7. Do gallery page and contact us.
8. Do book event page.
9. Do booking for a photoshoot page.
10. Create database.
11. Connect database with website.
12. Do log in and log out for user.
13. Do log in and log out for photographer
14. Create products
15. Start desktop application for the products
16. Test database
17. Test website
18. Test desktop application
19. Make documentation for website
20. Make documentation for desktop application
21. Maintenance
22. **Create a weekly Gantt chart to depict the schedule of completing the tasks outlined in question 6). You can assume a period of 8 or 9 weeks. It is recommended to use Microsoft Project to create the chart. Attach the chart with this document.**
23. **If your solution includes a database:**

**a) For 3 interactions in your application, create a flowchart or a UML Activity diagram showing the workflow/activity-flow in detail. Complete diagrams, abiding with correct notations are required**

**b) Create an ERD showing the design of your database. Make sure your database is well-designed and normalised. (4 marks)**

1. **Explain 5 specific considerations that you took during the project. This can refer to the UI of the web application, the UI of the mobile/desktop application, or the logo/poster.**
2. **Simplicity** = I want to design my website to be easy to use as possible so even people that lack the knowledge of using technology will be capable to go through the website.
3. **Name** = The name I came up for the project is Capture it. I choose this name for the reason I thought it is very suitable for my concept since it’s about photography and you are capturing other people’s life experiences and memories.
4. **Color scheme** = I designed my website with few colors which are black, white and gold I saw that these colors go really good with each other and gave it a different look from certain website. I also choose these colors for the reason I like black and white photographs.

1. **User Experience** = I wish that the client’s user experience will be that he/she will find everything that they were looking for and to plan everything easily and if they have any queries they can contact the photographer directly and receive a fast reply.
2. **Logo** = The logo I created it myself to give the website a bit of a unique logo. Which contains a bit of color in it and also I included a camera lens and a spiral around it to give it a look of a camera shutter.