CHAPTER 3

METHODOLOGY

3.1 Overview

When to developed some project, the proper direction is needed to make sure that the project can be successfully done. The methodology phase refers to some kind of the rules that need a specific procedure that may be derived to solve the different problems by using the specific scope of the particular discipline. According to methodology definition, admin need to explain step by step or every phase that required building this Web based application. Admin need to make a decision to use what kind of methodology method that suitable for the project. The Waterfall System Development Life Cycle (SDLC) has been choose because the step of the phases really suitable for this project.
3.2 Project development Phase

The Waterfall Model has been chooses according to this project. All the phases in this model are related to each other and each of the phases has its own task that need to be accomplished.

![Diagram of the Waterfall Model]

Figure 3.1: The Waterfall Model

3.2.1 Planning (PSM 1)

In this planning phase, admin has started to plan about the project. For the first 3 week of the new semester, admin has finding a few of project title to proposed it to the supervisor. After one of the project title has been pick by admin, supervisor give a few explanation about what is needed by admin to go through with the project title. Admin has choosing the Web
based interactive family photo album as the final project title. To go through this project title, admin need to make a project draft to make sure that admin really understand about the project title. All the requirements needed in the project draft need to be totally understands by admin such as the problem statement, objective to develop the Web based Interactive family photo album and the scope of the project.

According to the user requirement for this project, three of the important thing has been search on the planning phases that are the functional requirements, non-functional requirements and design objectives. For the first one that is the functional requirements, after the observation has been done to the project title that is the Web based online interactive family photo album, admin want the family members can know each other very well, all the family members can share their moment within the family members only, and the family members also can know the older generation of the family more clearly. The application should store all the data and the photo of the family members securely.

For the non-functionality requirement, admin need to make an arrangement for the user that want to upload the photo on the Web based application to make sure there no data crashing when uploading the photo. It will make the time to uploading the photo might be longer than before if the data crashing occur. Lastly, as the design objective, admin make the design that is very user friendly. All the tabs that are home tab, chat session tab, gallery tab and feedback tab are arranged nicely to make it easy to use. As for this project title, it only used a small amount of the computer storage because all the functions in the system are easy to use and not too heavy to run. Details are on CHAPTER ONE (1).