CHAPTER 3

METHODOLOGY

3.1 Introduction

Figure 3.1: Agile Methodology

This chapter will discuss about process involved and methodology that were used to develop this system. Agile methodology is has been used during development of my project. Agile SDLC model are combination of two part that is iterative and incremental process models that focus on process adaptability and customer satisfaction by rapid delivery of working software product. This methodology has five steps and each of the steps have different outcomes.

In Agile Model, they were believed that every project needs to handle differently based on existing method and project requirement. The Agile Model tasks are divided to small time frames to deliver specific features for a release.

The iterative approach is taken and working software build is delivered after each iteration. Each build is incremental in terms of features the final build holds all the features required by the customer.
These methodologies have four steps that have their own outcome. Agile Methods are being widely accepted in software world recently, but it is not suitable for all products.

i. Planning

In planning system, I was do some research about the existing systems to identify the problem that user have. This is important because if we want to develop system, developer must have a planning. Without planning, they can't do the project properly. Developer must classify the problem statement, and find the best solution to solved the problem with develop new product to achieve the human desire.

ii. Design

After planning, I was design the system with some criteria that require with my user. The scope of my system is for adult only, it is not suitable for children. The interface is more iterative and more detail, but user will use it manually.

iii. Coding

In this stage, the coding is developed with functions that have in my system. In this system, PHP: Hypertext Pre-processors is the source code to be implementing with the design to build a complete system design. Database design also will take part on this phase. The combination of PHP source code with MySQL will form complete system architecture with their functions.
iv. **Testing**

Testing is phase to test the system after process planning and design. If the system has a problem, I will repair it until it function properly. The advantages of using Agile Method are, developer can return back to any phase that needs to repair without go back to first stage.

v. **Implementation**

Implementation is the last phase in my system, if my system is good and not have any problem, I will proceed with my project.

There are a several steps should be use in this study to build the project successfully. Figure 3.2 shows the steps that using to complete this project: