

CHAPTER 1

INTRODUCTION

1.1 Background

The development of Artificial Intelligence (AI) can answer the need for ease in obtaining information. The ability of the computer to store the amount of data without forgetting any direct information compared to find information themselves makes people tend to interact and communicate with their computers.

Based from the above statement, ChatBot program is one of the right solutions as a means for people to interact and making conversation with the bot (computer). People can make a question and get the answers based on knowledge-base on the chatbot themselves.

The algorithm that will be used on this project is pattern-matching which can match the sentence or keyword input from the users with the pattern sentence that have been stored on the AIML knowledge-base and process the question from the user to get a right answers for user.

1.2 Scope

The scope for this project are:

1. How to insert AIML data into a LinkedList data structure ?
2. How to insert sentence input from user into Array data structure ?
3. How the data converting process of LinkedList data structure into Array data structure ?
4. How the process of splitting sentence happen in the data structure ?
5. How to match the pattern with the template that has been stored in the LinkedList ?

1.3 Objective

The objective of this project is to make a ChatBot using PHP programming language and AIML database using the pattern-matching algorithm which the function is to generate an answers or information to users based the questions or information that collected from the program by users correctly.

