

Assignment sheet

Chat Bot Design Challenge

What is a chat bot?

A chat bot is an application that performs automated tasks and uses simulated conversation as the interface. It interacts with the user by making commands and suggestions seem like part of a friendly conversation. Chat bots are used in four main ways: to retrieve information; to make transactions; to give advice and for social conversations.

Many chat bots mimic a conversational tone to make it appear as if someone is speaking to you casually. Chat bots have language understanding built into them. So, if you set up the right list of questions and answers, your chat bot will seem like it has anticipated the user's answers, giving your website a more personalised and human touch.

It is easy to set up chat bots. They work with Microsoft's cloud (Azure) and Cortana, the virtual assistant with voice recognition on Windows 10. Microsoft Azure has a chatbot service called Qnamaker.ai. (Question and Answer maker). This software helps users build a bot in just a single lesson. If you link the bot to a webpage, you can create a chat bot that will answer your page's frequently asked questions. You can use it to deal with questions received via a website directly, via Skype, WhatsApp or through Facebook.

In this lesson, we're going to design and set up a chat bot that asks questions to help the user plan a summer holiday which is based around Indigenous Australian Festivals and Tours.

To get started, simply go the link <https://www.thetechieteacher.net/2018/05/easy-way-to-create-chatbots-using.html> and work through the steps to set up your own chatbot.

When you have completed the tutorial, you are now ready to go through the same process and create a customised chat bot app that allows users to ask questions about people and places in *The Little Red Yellow Black Book*.

First, you will need to generate a list of three questions you will ask the user and then write the answers. Use the chapter structure in *The Little Red Yellow Black Book* as a way of developing a sequence of questions you might ask. For example, from the *Who We Are* chapter, you could ask: 'Do you know what the Torres Strait Islander flag looks like?' Your answer screen could be an image of the Torres Strait Islander flag, (*note that clearance is required from the flag designer, Mr Bernard Namok, when reproducing the Torres Strait Islander flag*). Or, it could be a text answer that describes the flag and who designed it. Chat bots work by recognising key words. In this example, the keywords are **Torres Strait Islander** and **flag**. The bot can figure out what is being said, and even if the exact wording isn't a match, it can still make the necessary connections to provide and respond to user questions and ask the user questions in return.

Develop your list of three questions and answers here: (keep them simple)

Q1: _____

A1: _____

Q2: _____

A2: _____

Q3: _____

A3: _____

Now, work through the steps in the tutorial to create your chat bot for *The Little Red Yellow Black Book*.

Don't forget to test your chat bot when you reach the end of the tutorial.