AIML(Program #) for Unity 3D – tutorial for PC How the AIML works?

You can find the answers here:

http://www.alicebot.org/aiml.html

http://www.alicebot.org/documentation/aiml-reference.html

How the C# interprets the AIML files?

You can find the answers here:

http://aimlbot.sourceforge.net/

How the Program # - AIMLbot.dll was implemented in Unity3D?

You must be wondering <u>why you are not finding the</u> "**AIMLbot.dll**" file. Well, that's because if you want to change something in a class, you need not open the original project and re-build of the DLL.

Now, answering the question, first class has changed "*Bot.cs*" by adding the following:

Two variables were created:

private string MyPath

Defines the path where the <u>AIML</u> folders and <u>config</u> will stay. These folders are responsible for contain all the files responsible for the operation of your bot.

The "*MyPath*" variable was inserted elsewhere in class "*Bot.cs*". See the image below:

This allows other necessary files are found.

```
// Load the dictionaries for this Bot from the various configuration files
this.Person2Substitutions.loadSettings(Path.Combine(this.PathToConfigFiles, this.GlobalSettings.grabSetting("person2substitutions.loadSettings(Path.Combine(this.PathToConfigFiles, this.GlobalSettings.grabSetting("personsubstitutions.grabSetting("personsubstitutions.grabSetting("personsubstitutions.grabSetting("personsubstitutions.grabSetting("personsubstitutions.grabSetting("personsubstitutions.grabSetting("gendersubstitutions.grabSetting("gendersubstitutions.grabSetting("gendersubstitutions.grabSetting("gendersubstitutions.grabSetting("defaultpredicates" this.DefaultPredicates.loadSettings(Path.Combine(this.PathToConfigFiles, this.GlobalSettings.grabSetting("substitutionsfile")));

// Grab the splitters for this bot this.loadSplitters(Path.Combine(this.PathToConfigFiles, this.GlobalSettings.grabSetting("splittersfile")));

// Grab the splitters for this bot this.PathToConfigFiles, this.GlobalSettings.grabSetting("splittersfile")));

// Grab the splitters for this bot from the supplied config file (or sets up some safe defaults)

// Summary>
Loads the splitters for this bot from the supplied config file (or sets up some safe defaults)

// Summary>
// Summary
```

And the variable:

• public string ChangeMyPath

When you instantiate the "**Bot.cs**" class, the variable "**ChangeMyPath**" is the one that will get the folder path or change it.

Here is an example of how it would look in another class:

You can find this example in class "ChatbotPC.cs".

```
// Loads all the AIML files in the \AIML folder
1reference
public void Initialize()

AimlBot.ChangeMyPath = Application.streamingAssetsPath;
AimlBot.loadSettings();
AimlBot.isAcceptingUserInput = false;
AimlBot.loadAIMLFromFiles();
AimlBot.isAcceptingUserInput = true;

AimlBot.isAcceptingUser
```

IMPORTANT: All related to Bot (AIML and the config folder) files must be in <u>StreamingAssets</u> folder.

Save and Load

You can find this example in class "ChatbotPC.cs".

```
₫
     public void SaveBrain()
          try
              myUser.Predicates.DictionaryAsXML.Save(pathToUserSettings);
              Debug.Log("Brain saved");
          catch (Exception e)
              Debug.Log("Brain not saved");
              Debug.Log(e);
     1 reference
     public void LoadBrain()
ﯛ
          try
              myUser.Predicates.loadSettings(pathToUserSettings);
              Debug.Log("Brain loaded");
          catch (Exception e)
              Debug.Log("Brain not loaded");
              Debug.Log(e);
```

An *XML* file is created for the bot remember all the information that the user entered during the conversation, such as name, age, country, etc ...

This file is loaded when you start the conversation with the bot and saved when the scene is closed.

You can find this example in class "ChatWindowExamplePC .cs".

```
// Use this for initialization
Oreferences
void Start()

bot = new ChatbotPC();
bot.LoadBrain();

}

Oreferences
void OnGUI()...

1reference
private void windowFunc(int id)...//close windowFunc

Oreferences
void OnDisable()

bot.SaveBrain();

bot.SaveBrain();
```

This solution was based on this response:

http://stackoverflow.com/questions/11184984/aimlbot-c-sharp-save-brain

You can now open the *ChatbotPC.cs* class for more information. In class *ChatWindowExamplePC.cs* You can find an example of how to create a bot in your project.

If you are interested in developing mobile or web, you can go to the tutorial:

AIML(Program #) for Unity 3D – tutorial for mobile and web

Maybe you might like to see this:

https://xinyustudio.wordpress.com/2014/03/08/get-started-with-aiml-c-programming-i-just-say-hello-to-the-robot/

https://mattg19.wordpress.com/2011/03/07/using-aiml-in-c-a-program-tutorial/