

**Assignment2**

**INN570**

**Translation Memory**

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**Option 1: The Translation Memory Editor**

This system is providing an interface for generating resource files by translation memories. By this purpose, the user is able to edit and save the resource files. Moreover, Microsoft translator API is utilized as the other way to create resource files or translation memory files. It can assist user to gather more accurate translation information in relation to generate a high quality resource file or translation memory file. This system coded by C# includes the Graphic User Interface (GUI) in order to achieve user friendly purpose. Though this interface, user can be easily to accomplish their tasks.

**Features implemented as part of the essential system**

* A Graphic User Interface (GUI)
* Resx files and tmx files are in XML format
* Translation memories are in TMX
* Resx file is displaied in a data grid view
* The translation field can be edited by user, the other field can just be read only
* Current Culture and Target Culture are demonstrated after loading up the resource file and the target culture can be selected by user
* Translation memory can be saved in the same TM or be created as a new TM
* Resx files can be saved or be loaded
* Users are able to exit the system.

**Features implemented as part of the extended system**

* Microsoft Bing Translator is embedded in this system. Users can use this external translator to look up “No match” culture in relation to provide a precise culture information.

**Statement of completeness**

The translation memory system is not fully completed. In the essential part of system, the all functionalities have already completed expect extension part. In the extension part, fuzzy match and command line option cannot be finished due to the time issue and individual work. It can be seen as importance in the future modification.