

Software Project Management Plan - Translation web app for restaurants

- **Process:**

- Waterfall
- Requirements are well understood
- Process will be procedural - the next step will not begin until the previous addition has been completed.
- Process is easy to manage due to rigidity and the fact that there will not be as many client talks. Therefore, there will be less changes due to client needs.

- **Schedule:**

- Gantt Chart Representation

- **Change Management:**

- When a change is implemented, ensure that the requirements are updated and understood for a change.
- Test the changes made to software to ensure that they do not affect the

- **Work Breakdown Structure:**

- Requirements
 - State objectives
 - SPMP
 - Tool Selection - Which API for translation service, what web service, hosting
- Design - functional and technical
 - UI
 - Allow user to create list of items
 - Potential download file for the list of items
- Implementation
 - Ensure that APIs integrate into website, and that website is working with all requirements

- Verification
 - Test that website is working correctly
 - End-to-end system test
- **Tool Selection Review**
 - HTML and JavaScript as languages for the website
 - Google Translate API
 - <https://cloud.google.com/translate/docs>
 - Godaddy.com for hosting, due to the low cost of hosting
- **End-To-End System Test (bold indicates update)**
 - Website functionality requirements:
 - Test to ensure the website URL is working, the website is hosted and loads
 - **Ensure that the API endpoints are tested and working**
 - Test that the user is able to click on the translation button and enter a translation into the previous textbox
 - Words are able to be translated into Chinese, pronunciation is correct
 - **List generate button is working properly**
 - **Users are able to download a text file of the list of their translated words**
 - **Website aesthetics**
 - **Website is formatted correctly on both desktop and mobile**
 - **Website graphics fit, are themed appropriately, and look aesthetically-pleasing**
 - **Any user could tell the website objective and function when entering the website**

First iteration of Gantt Chart:



Second iteration of Gantt Chart

Higher resolution:

<https://github.com/DomFaustino98/Individual-Project/blob/master/gantt.png>

