

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~~
  - **Host-Gator used for lower cost than godaddy**
- **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>

