**REQUIREMENTS**

**High-Level Design**

* **(M)**Database from SQLite - Using SQLite as our main database to store necessary information for exhibits and activities.
* **(M)**User interface - Our user interface will include a informative home screen, allowing the user to view access museum activities and exhibits, have detailed pages for each exhibit and activity, and inform parents on the importance of play and the types of play there are.
* (**M**)HTML through Django - Using Django as both a backend and front end. Will be using the Template function within Django to display HTML docs that we created for the main displays.
* **(M)**Digital design - For our digital design we are going to be basing our visuals on the website shared with us by the museum called vroom. Our home page will explain what play is and its importance, have buttons to learn about types of play, explore exhibits and find educational activities. The color scheme will be based on the museum’s current website.
* **(M)**Admin interface - Our admin interface will include a variety of features. The admins will access this Django interface using an admin-specific username. Once logged in, the admins will be able to add new exhibit and activity pages. They will also be able to edit existing exhibit, activity, and play information.
* **(W)**Data collection – We have avoided data collection to avoid security risks and because it fell on our priority list.
* **(M)**Hardware Platform - Web application (All devices have access) – Formatting of our site will work for phones and on computers.
* **(S)**Model Type: KANBAN - We are using the KANBAN type because it is simple and easy to keep the team on the same page regarding what needs to be done.

**Low-Level Design**

* **(M)**Calendar – Calendar links to the museum’s existing calendar page to help inform users.
* (**M**)One database with 4 tables written in SQLite.
* (**M**)Admin interface accessible through Admin login
  + Text - The admin will be able to edit and add text through a user-friendly guided page. The changes will be reflected in the database.
  + The admin will be able to change photos on the website.
  + Save button to apply changes - Have a button that when pressed will apply all changes made by the admin. If the admin terminates the process without pressing the save button, all changes will be reverted to how they were prior to the admin making changes.
* **(M)** A contact page for getting in touch with the museum (questions/suggestions)
* **(M)** An “About” page that explains the purpose of the museum and the site. This is also the home page.
* **(M)** Individual pages for activities, exhibits, and play will link to each other. For example, the exhibit page will have access to the corresponding activities’ pages.
* **(W)** The website will no longer have multiple languages, particularly Spanish, as it became too low on our priority list.
* **(W)** Informative play pages will no longer be linked to from the homepage. There is space for it to be added easily.