

Project Objective:

Implement a simple project management system in Salesforce, focusing on projects, their milestones, and to-do items.

Data Model Needs:

- A place to store new projects and their Name, Owner (user in salesforce), Status, % complete
- Ability to track project milestones and their name, % complete, status, and due date
- Ability to create to do items for each milestone and their name, status, and due date

Automations and Calculations:

- Calculate Project % Complete based on the % complete of milestones.
- Calculate Milestone % Complete based on the number of incomplete to-dos out of the total to-dos for the milestone.
- Project and Milestone Status field should be:
 - "Not Started" when the % complete is 0%
 - "Complete" when the % complete is 100%
 - "In Progress" otherwise
- A user should not be able to manually change a milestone or project status.

Lightning Web Component (LWC):

- Develop a LWC that assists project owners in creating a new project, capturing and creating the corresponding records for:
 - Project details.
 - Milestone details.
 - To-do items.
- Include an overview of current milestones & tasks for the given project.

Environment and Submission:

- Implement this functionality in a Salesforce developer org.
- Provide detailed documentation covering your design decisions, implementation steps, and user instructions.
- Provide deployable SFDX project with a deployment manifest for review.
- Submission will need to be provided via link such as Github, Dropbox, etc. Email attachment will likely be blocked.

