**Project Flow Manager**

**Models:**

**Task Response**

1. Id
2. Task\_Id -> ref(Task)
3. Message

**Project Participant**

1. Id
2. Project\_Id -> ref(Project)
3. User\_Id -> ref(User)

**Task**

1. Id
2. Name
3. Description
4. Project\_Id -> ref(Project)
5. Assign To -> ref(User)
6. Privacy -> [public, private]
7. Status -> [pending, in\_progress, completed]
8. Due\_Date

**Category**

1. Id
2. Name
3. Description
4. Image

**Project**

1. Id
2. Name
3. Description
4. Privacy ->[public, private]
5. Category\_Id -> ref(Category)
6. Leader\_Id -> ref(User)

**User**

1. Id
2. Name
3. Email
4. Image

**Controllers:**

**Category Controller**

1. Create a Category
2. View Categories
3. View Projects List of a Category

**User Controller**

1. Registration
2. Authentication
3. Logout
4. Profile View
5. Profile Update

**Project Controller**

1. Create a Project
2. View a Project
3. Update a Project
4. Delete a Project
5. Projects List Filtering
6. View Projects List
7. View Projects List of an User
8. Add Participant to a Project

**Task Controller**

1. Create a Task
2. View a Task
3. Update a Task
4. Delete a Task
5. Task List Filtering
6. View Tasks List of an User
7. View Task List of a Project
8. Task Response Providing
9. Task Status Update