Group 10

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Requirements

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Step 1:

- Identify the different types of Users of the software system
  - **Project Maintainer**
  - **Project Contributor**
  - **Corporation**

Step 2:

- For each identified User, identify the Activities they will perform with the software. (These are User Requirements.)
  - **Project Maintainer: log in/out, manage users, manage permissions, approve pull requests**
  - **Project Contributor: log in/out, view repository, submit pull request**
  - **Corporation: log in/out, view product, use product**

Step 3:

- For each identified Activity, identify…
- relevant data within the system. Data entities and attributes may be listed or you may construct a data model if it helps.
- constraints (non-functional) on the activity or the resultant state of the system

Activity	**User**	**Data entities**	**Constraints**
Log in / Log out	Maintainer, Contributor, Corporation	User credentials	User must not be able to log in if the credentials are wrong, credentials

			should have a certain length limit, credentials should contain only legal characters
Manage groups/users/ permissions	Maintainer	Database tables	User and related data should be saved to tables that correspond logically
Approve Pull Requests	Maintainer	Github Data/Authentication	User should have proper authorization to submit approval
Submit Pull Requests	Contributor	Github Data/Authentication	User should have proper authorization to submit request
View/Use Product	Corporation	Github Data/Authentication	User should be logged in as proper entity

Step 4.

- Identify System constraints and requirements
  - Secure, robust database
  - System is dependant on Augur data
- i.e., hardware and necessary components
  - Device with web browser
  - Stable Internet connection
  - Docker/Docker Compose
  - System is limited to only 12GB of virtual RAM