

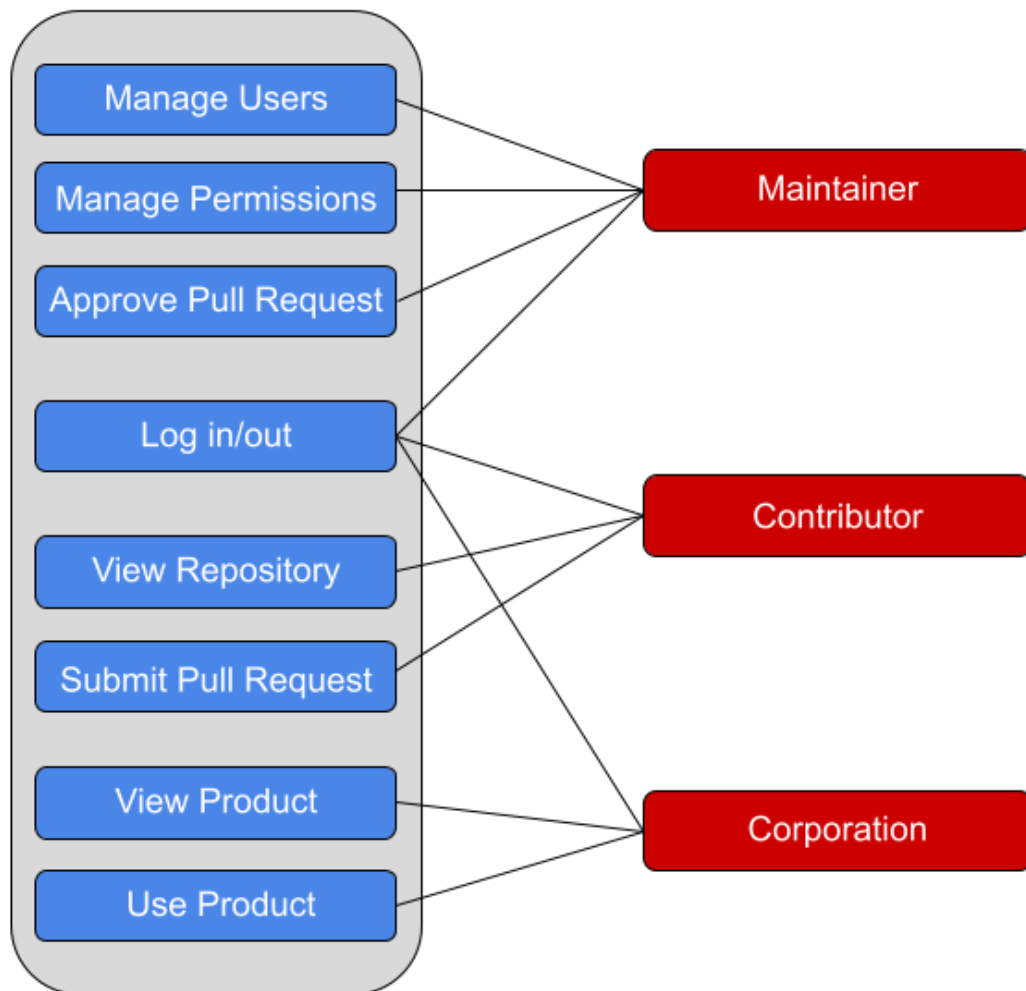
Group 10

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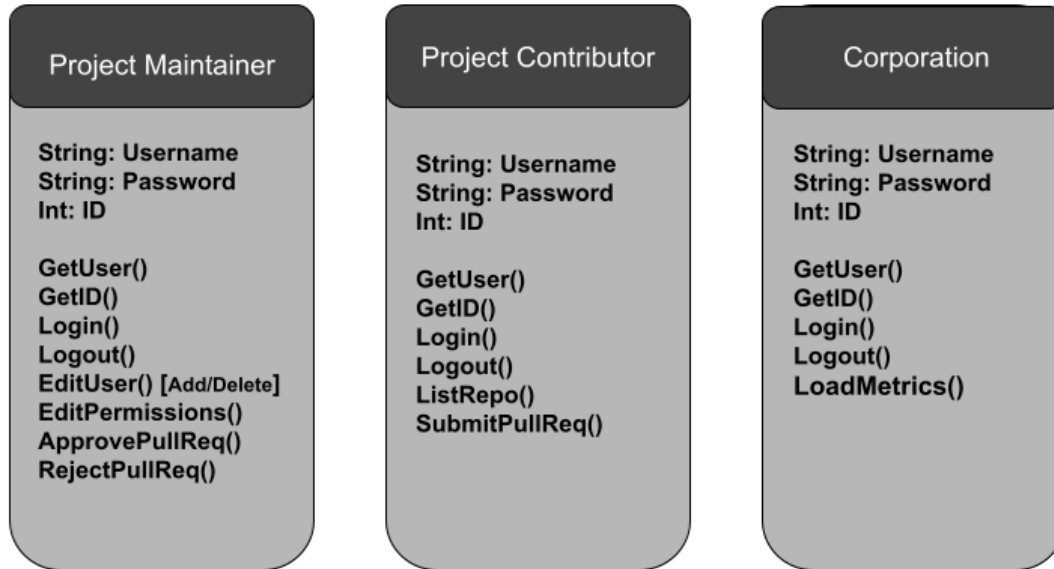
## **Design**

Use Case:

- **Actors:** Project Contributor, Project Maintainer, Corporation user
- **Preconditions:** User is properly logged in, and account has approved permissions for certain actions
- **Postconditions:** PR submitted successfully, PR approved, user account/permissions edited

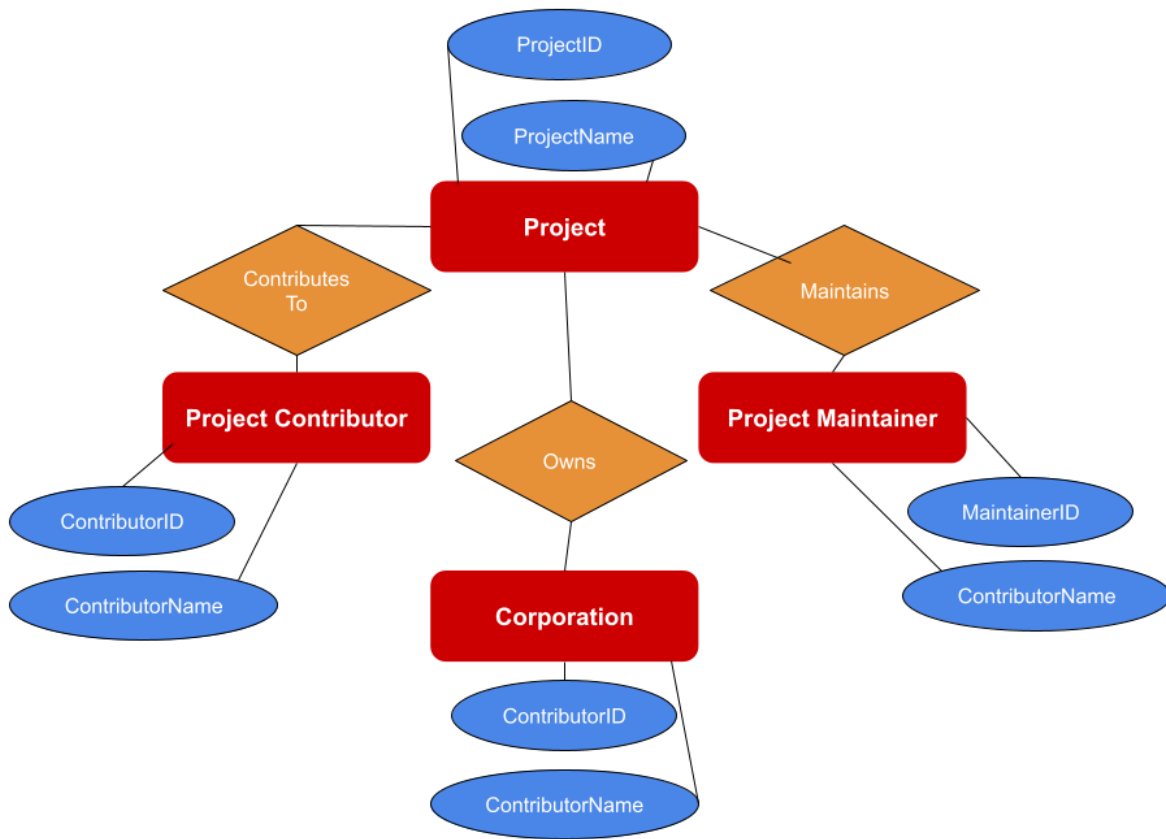


Classes:



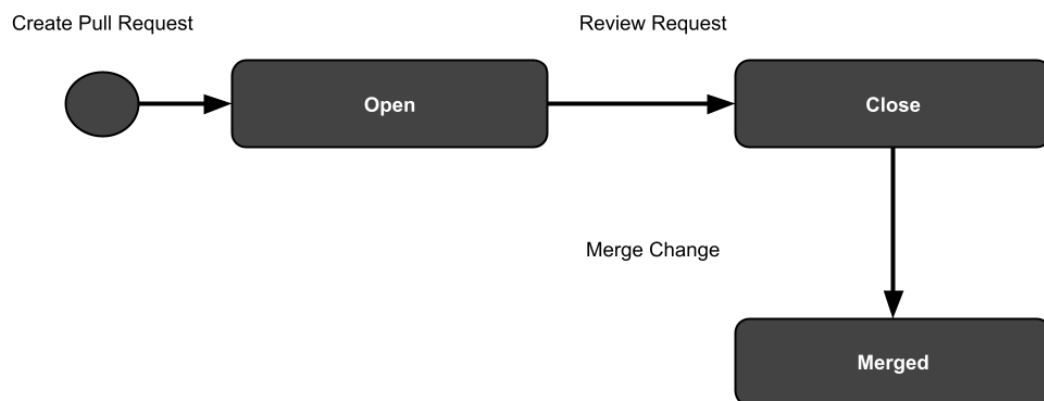
Entity Relationship Diagram Example:

- The ER diagram has four entities: Project, Project Maintainer, Project Contributor, Corporation
- Attributes of each entity are displayed as ovals, such as “MaintainerID”
- Lines are drawn to show relationships including “SubmitsPullRequest”



State Machine Diagram Example:

- Illustrates various states for the project changes
- Shows transitions between states, such as from Open to Close



- **States:** Open, Close, Merged
- **Transitions:**
  - Assignment starts in Open state when PR is opened
  - Transitions from Open to Close when the request is approved
  - Transitions from Close to Graded when the change is merged

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