**Overview:**

PME team wishes to develop a database to store data about the regular PME Releases. The data includes information about Issues which are part of a release and commits which are made against those issues. A release may consist of several issues. Each issue may contain several commits. Each issue is assigned to one developer but a developer may work on several issues. Each commit is made against one or multiple issues and commit may be made by developers other than to whom it is assigned.

Each commit has a list of file names which were added, modified or removed in that commit. Files can be related to one or more commits.

**Task:**

Develop an E/R model of this system. Find attributes of the entity sets. Determine which of the attributes that can be used as primary keys.

**Key things to maintain:**

1. Design for extensibility, that is, may be some features are not needed right now but we should be able to integrate new feature very easily without re-doing the whole design.
2. But don't overdo it; maintain a balance between generic design and specific design.

**Example Queries:**

Following queries will be shown to the application user:

1. Which issues are included in a given release?
2. Which developer made most number of commit in a given release?
3. Which files get most changes in PME?
4. Which release has greatest number of issues?
5. List number of commits by each developer for a given release?