

User(UserID, FirstName, LastName, Username, HashPassword)

- No foreign keys because all other tables are associated with a user
  - Primary key is UserID, internal operations will refer to user by UserID
  - Table Name: this is the table to store all users with username/hash password for authentication
  - FirstName/LastName not used internally but will be used for UX

Project(ProjectID, UserID, ProjectName)

- Foreign key UserID references Users
  - Table Name: This is the table to store the projects, which is a compilation of tasks.
  - ProjectID: this is our internal identifier for each project
  - UserID: refer to Users table for explanation
  - ProjectName: this is supplied from the user, ;not used internally but will be used for UX

Task(TaskID, ProjectID, TaskName, TotalTime)

- Foreign key ProjectID references Projects
  - Table Name: This is the table to store individual tasks that can be timed by the user, each one associated with a project
  - TaskID: internal identifier for each task
  - ProjectID: refer to Project table for explanation
  - TaskName: User specified name for each task
  - TotalTime: Running total of the amount of time spent on a task

Time(TimeID, TaskID, StartTime, EndTime)

- Foreign key TaskID references Task
  - Table name: This is the table to store the time spent on each task.
  - TimeID: internal identifier for each time chunk.
  - TaskID: refer to Task table for explanation
  - StartTime: Timestamp of when the user started the timer.
  - EndTime: Timestamp of when the user ended the timer.