CS408 - Project Charter

Team: Dhiman Swadia, Manoj Polisetti, Harsha Lingareddy, Sanat Mouli, and Vishaal Bommena

1. **Problem Statement**
   People that are new to working out face a great problem of trying to determine which exercises target what muscle groups. When referencing different resources online, the amount of information confuse "*gym rookies*" at Purdue University. Our app plans on simplifying the workouts in way which is easier and more accessible for users by allowing users to create custom workout plans on their iPhones.

2. **Objectives**
   - Creating an application that will help users that categorizes exercises based on muscle groups.
   - Create a system which will help find a desired workout plan rather than having to search for a new plan online.
   - Allow users pick and choose between different preset workout routines.
   - Allow users to share their workout plan.
   - Reminders/notifications to workout everyday
   - Details of Corec which help plan out the workout plans
   - Achievements and motivational updates
   - Allows users to find partners for their workouts using proximity to each other
   - Allows users to find partners that are doing similar workouts

3. **Stakeholders**
   Users: "*Gym Rookies @ Purdue*"
   Developers: Dhiman Swadia, Harsha Lingareddy, Sanat Mouli, Manoj Polisetti, Vishaal Bommena
   Project Manager: Vishaal Bommena

4. **Deliverables**
   - An IOS application which will contain a customizable list of all the exercises based on different muscle groups.
   - A database of preset workout routines using Firebase or API.
   - Integrate data for the different workout plans based on muscle groups.
   - Using an API for the proximity based partner search