Demo Project Proposal

This is an example project proposal

# Statement of Purpose

* Title: Beginner Pickleball Tournament Rating
* Purpose: Allows players to determine their Dupr status

# Runtime Environment

* Desktop or Mobile / Maui

# Information Needed

Log on/ sign up for court

Payment?

Informational page

* Class: Player
  + Fname Lname
  + Dupr score (Initial value 2.0)
  + Wins (Initial value 0)wd
  + Losses (Initial value 0)
  + List<MatchesID>(Matches that were played) shows all the matches player played
* Class: Admin (Displays current stats)
  + Match History (Dictionary<MatchID, Winner>)
  + EveryonesDupr Method
  + EveryonesWinLossRecord Method
* Class Match
  + Match ID (To keep track of each match, each match has a unique ID)
  + Date and time, match result, players
  + StartMatch Method (Gives winner/loser)
    - Parameter (Player1, Player2, Admin)
    - Determines the winner
    - Updates player Dupr (+- .5)
    - Updates win/loss (Player.Wins++ or Player.Losses++)
    - Updates Admin match history{Match ID: Winner}
    - Add MatchID to playerlist

# Data to be Persisted (Data Base)

List what data would saved to a DB in the production application

# App Concerns

* Access to data in a major emergency
* Access to data by emergency personnel

# User Interface Outline and Functional Flow

Can be an outline in writing, PowerPoint slides (one slide per screen)

# Special Features

* Tie into GPS on mobile devices to capture locations
* Emergency communications within app (satellite)
* Class CAR
  + cartype
  + color
  + fuel
  + constructor = (cartype, color, fuel)
    - Ex. CAR tesla = new CAR (sedan, red, electric)