Michael Walker

CSC 260

Requirements List

**Functional Requirements – Mikey’s Tourney Tracker**

* Type of front-end
  + Desktop system for now
  + Ability to be used in a different user interface platform later
* Data Storage
  + Stored in Microsoft SQL database
  + Option to be stored to a text file
* Administrator has option to handle fees, prizes, and payouts
* Build a tournament
  + Specify number of players
  + In cases of odd number of players, add in byes to randomly selected players
  + Bracketing of the tournament should be random
* Schedule matches
  + Games can be played in whatever order at any time
  + First round games must be completed before next round starts
  + App should email players when they are due to play in the next round and who
* Track single elimination of players
  + App should store simple scores, number for each player (winner: 1 loser: 0)
  + App should store larger scores, basketball tourney (winner: 110 loser: 95)
  + Anyone should be able to fill in game scores
* Track outcomes to determine winner
  + Ability to build simple reports specifying outcome of games per round
  + Ability to build a report of who won
  + Ability to be emailed to players and administrator