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Software Development for Cloud Computing 2.1

Assignment Proposal

Volleyball Matches Scoring System

**Topic:** Volleyball Matches Scoring System

**Brief description of the main functionality:**

I would like to create a “start screen” that will show who plays against each other. I am planning to have around 3-5 matches, eg:

1. Spain vs Portugal
2. Poland vs Germany

Once the user can observe who plays against each other, they will be able to record the scores for each country. If a country will be marked with a win, a loss will be automatically recorded for the other team; if a draw is marked, both teams will get equal points.

User will be able to maintain the volleyball teams by:

1. Adding win/loss/draw
2. Selecting amount of scores
3. Marking whether a player has been injured during the game
4. Accumulated points, total number of wins/losses/draws, percentage of wins

User will be able to iterate through the list of teams (unsure whether I will use next/previous or let user choose from the “menu screen” yet)

User will be able to add matches as well as mark already existing ones as “canceled”. The same country will not be allowed to play more than once unless the match has been marked as canceled

Once the user will add scores to a team, the match will show as “completed/already played”

User will be able to restart all the values – the same rule will apply – if Spain plays with Portugal and Spain values are restarted, Portugal will also be restarted automatically

**Class:** Team

**Class Data:**

* Team Country
* Team name
* Number of scores
* Number of wins/losses/draws
* % of wins
* Flag indication whether the team members have been injured in a play
* Flag indication whether the match has been cancelled