PROJECT TEAM
Squash League Management Contact Information
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SquashBC Sponsor Project Coursys website
https://coursys.sfu.ca/2024sp-cmpt-733-g1/pages/external-projects

Recommended Reading
- Analysis of **singles** rating systems
  - https://squashmagazine.com/2023/06/community-perspectives-a-probability-analysis-of-the-game-of-squash/
  - https://squashmagazine.com/2021/11/the-ratings-game-an-analysis-of-us-squash-ratings/
  - https://squashbc.com/rankings/ratings/
- Other approaches to doubles rating systems (not all from squash)
  - https://elosportschallenge.wordpress.com/2017/06/09/individual-ranking-for-doubles-game/
  - https://support.universaltennis.com/support/solutions/articles/9000183289-faq-the-doubles-algorithm
  - https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=15aa08121d06d30d4d6ab8901a5d345d845e9ecc (Section 3.7.4 Combining Historical Data for Doubles)

TEAM MEETING 1

Date: 19-02-2024

Category	Question	Discussion points	Decisions Made	Action points
Use Case Clarification	- Beyond the initial use case of predicting match outcomes, are there specific predictive analytics or decision support tools you envision developing from this data?	Sponsors would like a UI to enter pairs of players and predict outcomes.	- UI for match prediction - Dashboard visualizing player statistics and match statistics	
	- How do you intend to use the machine learning model or data product?	Sponsors want to produce a better doubles ratings list using match predictions and take it to ClubLocker to initiate discussions on improving their doubles algorithm.		
Data Product Specification	- Can you provide more details on the format and interactivity of the final data product?	Freedom with final UI. Specifications include input spaces for match pairs to view predictions		
	- For the dashboard, are there specific KPIs or metrics you consider most valuable for			

	real-time tracking?			
Comparison Metrics and Benchmarks	- What specific performance metrics are most important for evaluating our algorithm?	Utility - an improved doubles rating list Means - Predicting match outcomes		
	- Are there industry benchmarks or standards we should aim to meet or exceed?			
Data Availability and Access	- Details on the volume, variety, and velocity of match outcome data available?			
	- Are there any legal or ethical considerations when accessing this data?			
Domain-Specific Considerations	- How do you currently handle variability in player partnerships and ratings?	Sponsors provided the algorithm they use for singles ratings. Some variabilities include changes in skill over time.		
	- Are there existing policies on how ratings			

	adjustments should be made?			
Collaboration and Project Scope	- What are the expected deliverables and timeline for this project?			
	- How open are you to iterative development and feedback cycles?	Open to communication and support as and when required with prior notification via e-mail		
Stakeholder Engagement and Impact	- Who are the primary stakeholders for this project?			
	- How do you measure the impact or success of this project?			
Technical Infrastructure and Support	- What technical resources or support can Squash BC provide?	Provide an account on Squash BC with full access for web scraping and crawling		
	- Are there any specific technologies or tools that you prefer or require us to use?	Sponsors did not have preferences with respect to technology		