

ShuttleQL

SE464 Project Proposal

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Problem

- ▶ our target are **badminton clubs** throughout the world
- ▶ there is currently no unified solution to **club management** and **court management**
- ▶ it is very tough to **improve** your play unless you hire a coach
- ▶ many tasks have to be done **manually** which leads to **player dissatisfaction** and **operation inefficiency**
 - ▶ Club members are manually recorded onto Excel spreadsheets
 - ▶ Club executives have to manually time rotations and move players on and off courts accordingly
 - ▶ During rotation, players crowd around the board to see which court they are on

Enter ShuttleQL

≡ ShuttleQL	≡ ShuttleQL	≡ ShuttleQL
<p>Court 1 King's Mount</p> <p>Erin Chow VS Jessica Plat</p>	<p>Court 1 King's Mount</p> <p>Erin Chow VS Jessica Plat</p> <p>New session started You are playing at:</p> <p>Court 2 Lion's Den</p> <p>OK</p>	<p>Victory Court 3 2016/05/24</p> <p>Erin Lee VS Cindy Chu</p> <p>21 - 15</p>
<p>Court 2 Lion's Den</p> <p>Chai Men VS Gary Teo Lance Dong John Valent</p>		<p>Defeat Court 3 2016/05/24</p> <p>Erin Lee VS Cindy Chu</p> <p>16 - 21</p>
<p>Court 3 Aspirant's Plain</p> <p>Cherry Chu VS Larry Lament Lee Wang Tina Liu</p>	<p>Court 3 Aspirant's Plain</p> <p>Cherry Chu VS Larry Lament Lee Wang Tina Liu</p>	<p>Defeat Court 5 2016/05/24</p> <p>Erin, John VS Lee, Brandon</p> <p>19 - 21</p>
		<p>Victory Court 5 2016/05/24</p> <p>Erin, John VS Lee, Brandon</p>
		<p>Victory Court 7 2016/05/24</p> <p>Erin, Cindy VS Tina, Jesse</p> <p>21 - 9</p>
		<p>Defeat Court 2</p> <p>Erin Lee VS Brad Ming</p> <p>10 - 21</p>

Features

Automated Management

- ▶ Streamlined registration for new club members
- ▶ Matchmaking and court changes would be decided by the system

Centralized Hub

- ▶ Announcements can be broadcast on the website
- ▶ Push notifications to users during court change and important notices

Player Improvement

- ▶ Track player match history
- ▶ Bystander referee system for challenge games
- ▶ Visualizations to see performance over time

Thank you for your time!