ShuttleQL
SE464 Project Proposal

Clement Hoang   David Dong   Jason Fang   Tony Lu

University of Waterloo

Fall 2016

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

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!