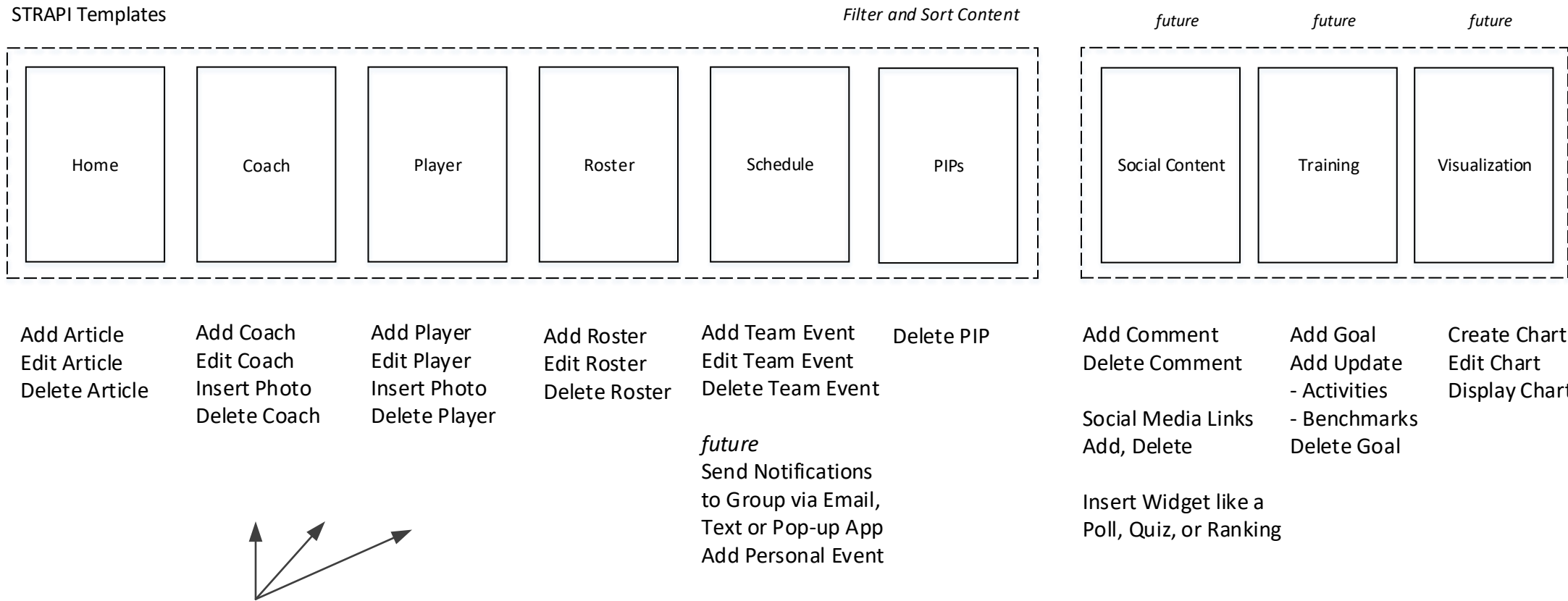


First Draft of an Architecture Diagram

We need registered admin to be able to create this content and also display to registered users. Will that be an admin only site, or some type of edit capability on the front end like some other CMS?



Need CSV bulk import into these three screens.

May also need to be able to send email to users so they self register.

Microservices

INTEGRATIONS

Text Messages
Import Data
Export Data

BIG DATA ANALYSIS

Rules
Machine Learning
Search by Keyword, Date,
Image, Tags

PIPS

Metadata
Access Rights
Storage/Delete
Sensor Data
Log Files
Audio
Video
Graphics (Vector and BM)
Text

DIRECTORY SERVICE

Passwords and Keys
Networks
Domains
Users
Roles
Permissions
Groups

CALENDAR & SCHEDULING

Notifications
Reporting

STORAGE MANAGEMENT

Backup and Restore
Garbage Collection
Archiving
Reporting/Notifications
Logging

LICENSING AND USAGE

Number of Users
Active Users
Inactive Users

IDENTITY AND SECURITY

Firewalls
Configuration

STREAMING VIDEO

Compression
Caching
Bandwidth Management

FILE UPLOAD AND DOWNLOAD

Session Recovery
Progress Indicator
Confirmation
Status Reporting

STRAPI CMS

Templates

IP CAMERA ROUTING AND RECORDING

Mapping cameras to location
Start recording on time
Stop recording on time
Notification of recording state

VIDEO TRANSCODING SERVICE

4K source files to 720P for streaming
Use hardware acceleration or
Background processing

LINUX AND CONTAINER UPDATE

Version and configuration data
Dependency management

LOGGING AND REPORTING

Logging background service
Analysis and reporting

REMOTE SUPPORT

Remote access
Customer initiated and controlled
Remote troubleshooting

Preliminary Ideas for Radial Menu Hotspots

The insert video search option can be used to select from available lessons. Tagged videos would be one way to find relevant content.

The image is a composite of several elements. The background is a blurred photograph of a golfer in mid-swing on a green field. Overlaid on this are three semi-transparent grey panels, each featuring a circular radial menu with segments labeled A through I. The top-left panel has a central icon of a hand touching a target, with the text "When user touches screen radial menu appears" below it. The top-right panel is titled "INSERT VIDEO CLIP" and contains a text box with "Grip, Weak, Left Handed", a "SEARCH TAGS" section with four items (Auto Stop, Auto Play, Slow Motion, Full Screen) each preceded by a checkbox, and the first three checkboxes are marked with an 'X'. The bottom-left panel is titled "INSERT AUDIO NARRATION" and contains a green "RECORD" button, a list of three items (Auto Stop, Auto Play, Slow Motion) each preceded by a checkbox, and the first two checkboxes are marked with an 'X'. A text box in the center of the bottom panel reads "Which options are available depends on the user selected item in the radial menu". At the bottom of the screen is a video player control bar with a progress slider and a timestamp of "02:05". On the right side, there is a "Search Results" sidebar with three entries, each with a small video thumbnail, a title, and a date: "Bubba Watson Improve Golf Grip June 10, 2018", "Mike Weir Grip and Slice June 15, 2015", and "Phil Mickelson Choke Up for Control May 03, 2014".

There will be a steady need to access content files from local and network. Need to have an extra focus on this.



What are the Problems with this Approach



Most of the examples I have seen use a side-by-side video layout for instruction. Where do we use the radial menu when two windows are open. It also cuts out about 40% of the window usable space.

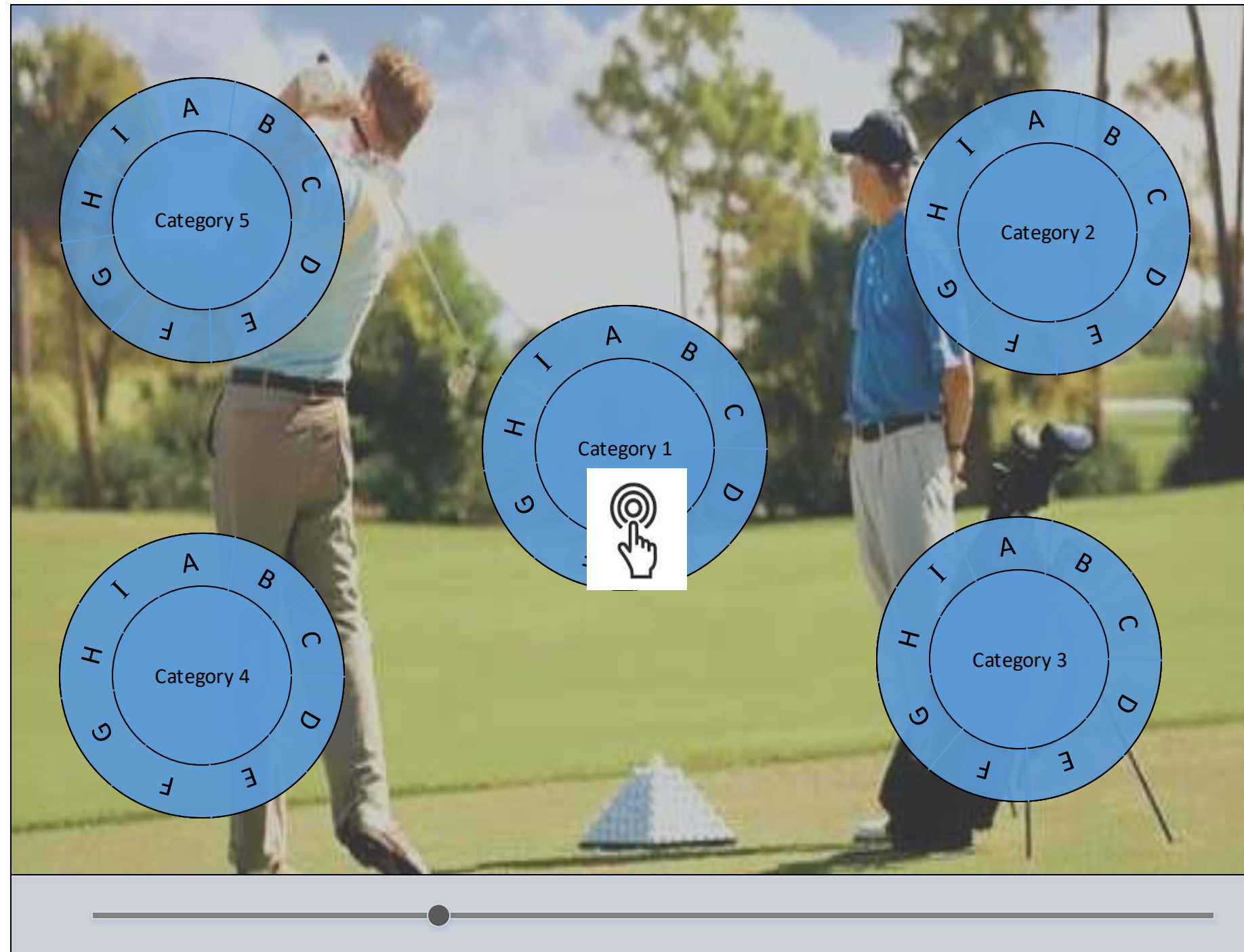
Need to have a simple and consistent relationship between the two (or four) video windows.

The instructor uses a mix of pro, amateur and the students previous lessons for source videos. This means we need to have any previous lessons for this student easily available.

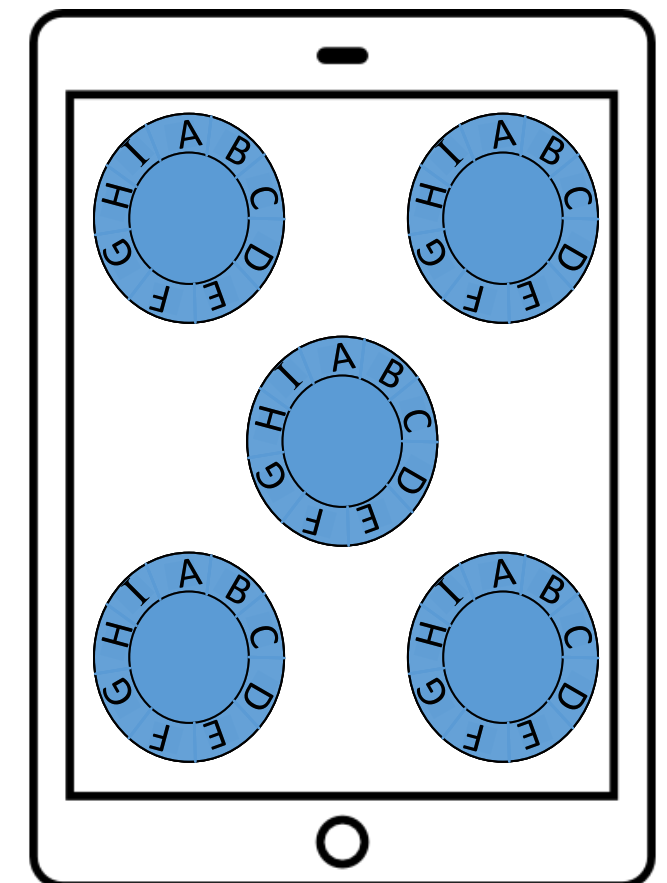
Search Results
 <p>Bubba Watson Improve Golf Grip June 10, 2018</p>
 <p>Mike Weir Grip and Slice June 15, 2015</p>
 <p>Phil Mickelson Choke Up for Control May 03, 2014</p>

Another option is to have the other categories appear after the first one is tagged. This way the analyst can have several different level of details available as needed.

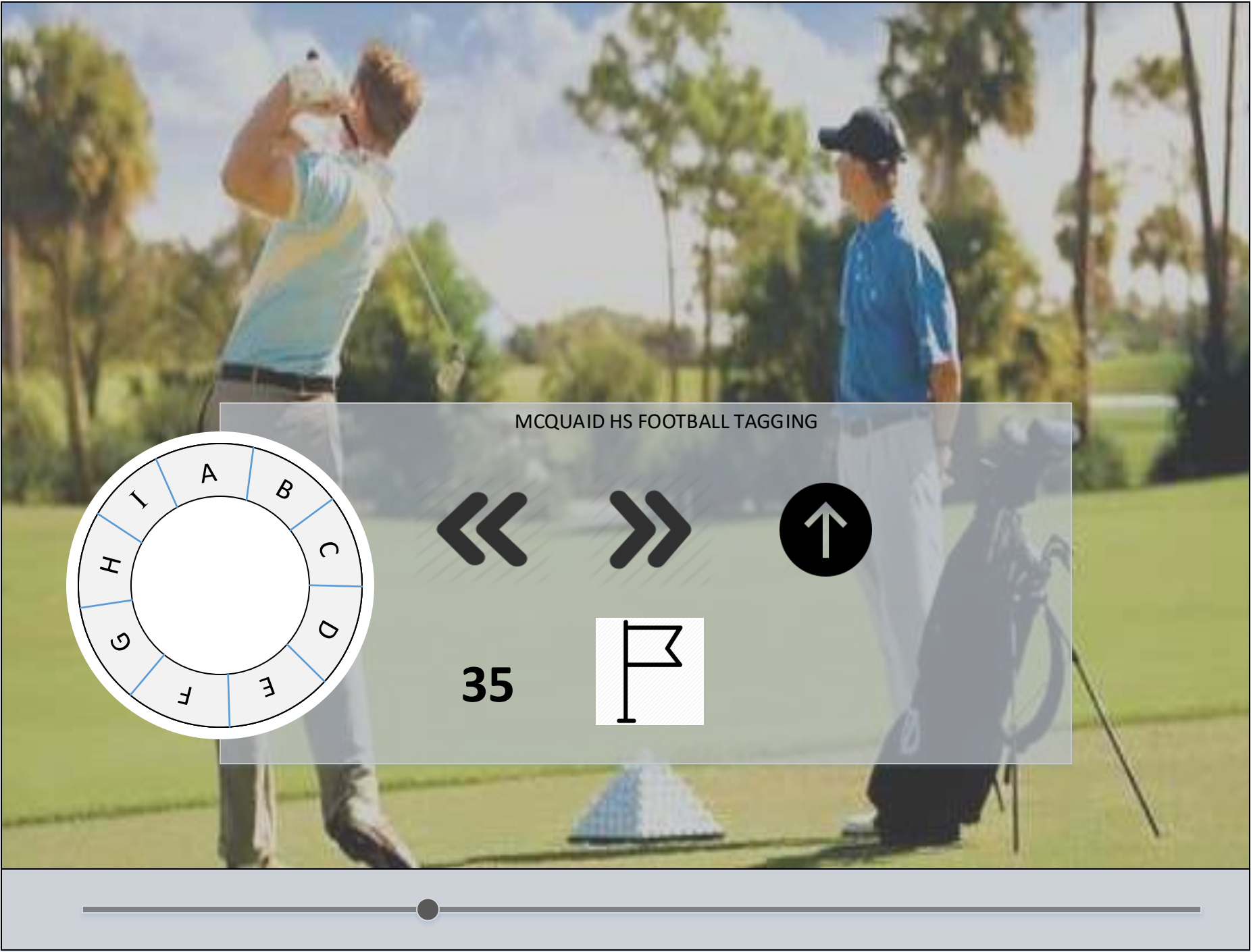
Preliminary Ideas for Radial Menu Tagging



An advantage of this approach is it would be portable to a tablet or touch screen laptop or all-in-one.



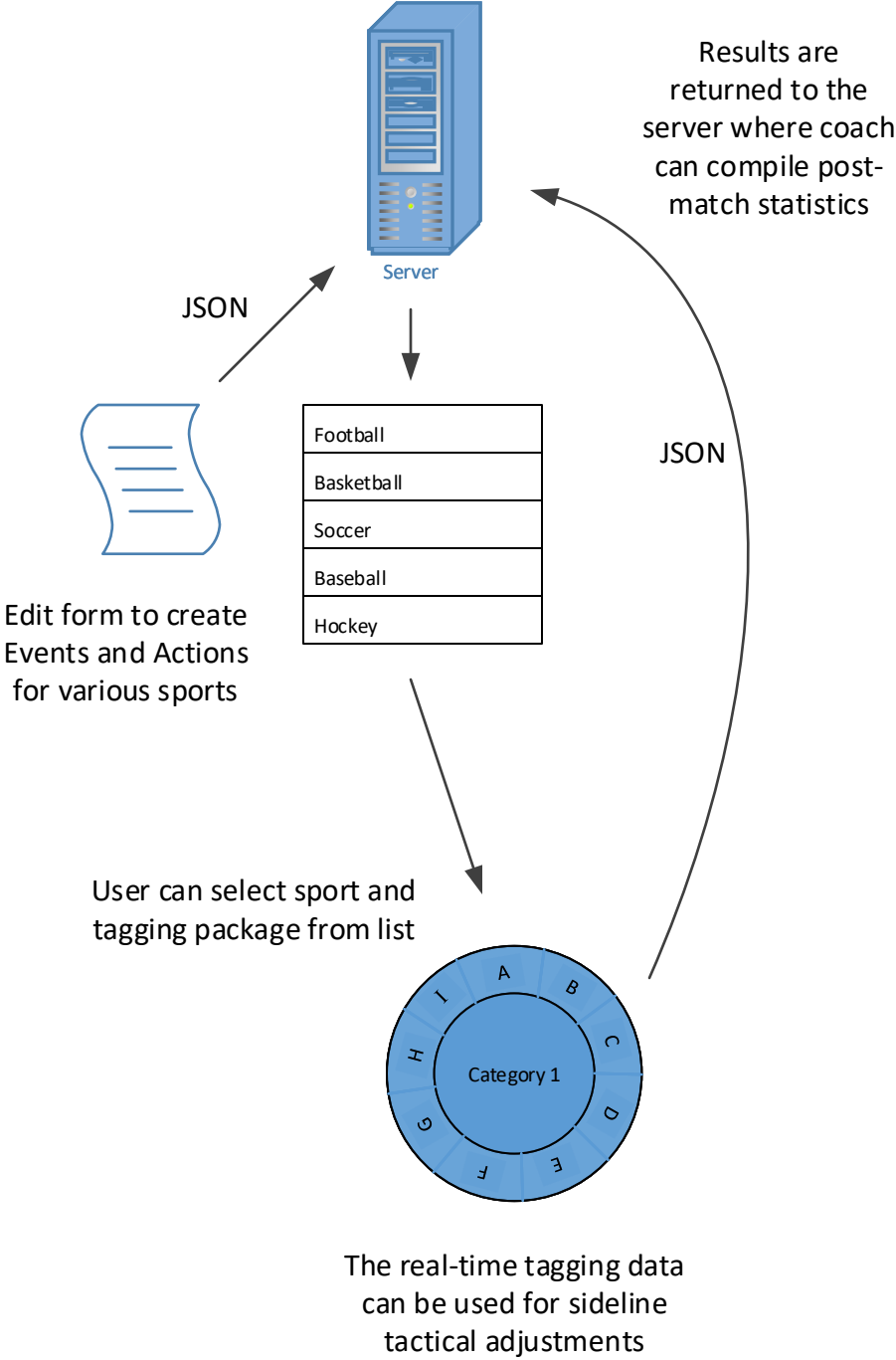
Preliminary Ideas for Radial Menu Tagging



This might be some type of hybrid approach. A menu with some interactive buttons based on the selection.

These are just place-holders until I think about this concept a little more.

Preliminary Ideas for Radial Menu Tagging



Note: We need to demonstrate tagging on several platforms to determine best of breed.

