Course Project Activity: System Sketch

In this activity you create a specification for your information system using the concepts of this course.

* For drawings, feel free to use any program or draw on paper and include photographs below.
* You do not need to do the same info type as you researched in the previous activity, but if you choose a new one, it will help you to find a couple of sites for the new type.

# Info Type

|  |  |
| --- | --- |
| What is your info type? | International Level Cricket Player |

## 1- Collect the attributes you found

For each of the sites you studied previously, fill in the attributes you found for your type

|  |  |
| --- | --- |
| **NDTV Sports (https://sports.ndtv.com/cricket/players/)** | **ESPN CricInfo**  **(http://www.espncricinfo.com/ci/content/player/)** |
| 1. Full Name 2. Images 3. Date of birth 4. National side 5. Batting Style 6. Bowling 7. Batting Rank 8. Bowling Rank 9. Teams Played for 10. Man of the Match Stats 11. Career Span 12. Player Description 13. Overall Performance Stats | 1. Full Name 2. Images 3. Profile 4. Age 5. Major Teams 6. Playing Role 7. Batting Style 8. Bowling Style 9. Batting and Fielding Averages 10. Bowling Averages 11. Fielding Averages |

## 2- “Best of” Tags

* Come up with at least 10 attributes for your info type. More is fine.
* Use the best of the attributes you found in the previous activity and/or decide on some of your own.
* Overall, make sure the attributes fully describe your type.
* Notice that you must include id, title/name and description as 3 of your attributes

Best of Tags

1. Id
2. Player Name
3. Player Description
4. Age
5. National Side
6. Teams Played For
7. Images
8. Playing Role
9. Batting Style
10. Bowling Style
11. Batting Averages
12. Bowling Averages
13. Fielding Averages

## 3- Attribute Specification

Turn your list of tag names into something that you can use to construct your first schema.

* Make sure all attribute names are in camelCase (<https://en.wikipedia.org/wiki/CamelCase> )
* A controlled vocabulary is a list of terms that the attribute value must match (<https://en.wikipedia.org/wiki/Controlled_vocabulary> ). Include at least one controlled vocabulary in your list of attributes.
* For data types, you need only use:
  + String for words, sentences and paragraphs
  + ID for ids
  + Boolean for true/false
  + String for controlled vocabularies
  + You can use other data types as you wish

|  |  |  |
| --- | --- | --- |
| **Attribute (use camelCase)** | **Data type** | **Controlled vocabulary values** |
| 1. Id | ID |  |
| 1. playerName | String |  |
| 1. playerDescription | String |  |
| 1. Age | Integer |  |
| 1. Gender | String | Male, Female |
| 1. nationalSide | String | India, England, Australia, Bangladesh, New Zealand, Pakistan, South Africa, Sri Lanka, West Indies, Canada, Ireland, Kenya, USA, UAE, Afghanistan |
| 1. teamsPlayedFor | String |  |
| 1. Images | Binary |  |
| 1. playingRole | String |  |
| 1. battingStyle | String | Right Handed, Left Handed |
| 1. bowlingStyle | String |  |
| 1. battingAverages | String |  |
| 1. bowlingAverages | String |  |
| 1. fieldingAverages | String |  |

# Info Items

In the table below, list at least 13 items of the type you have chosen. You will not be held to these particular items later. The list is just to get you started

|  |  |
| --- | --- |
| **Items of type: <info type name here>** | |
| Id | Player Name |
| 1 | MS Dhoni |
| 2 | Virat Kohli |
| 3 | Hardik Pandya |
| 4 | James Anderson |
| 5 | Stuart Broad |
| 6 | David Warner |
| 7 | Shaun Marsh |
| 8 | Tim Paine |
| 9 | AB de Villiers |
| 10 | JP Duminy |
| 11 | Lasith MAlinga |
| 12 | Angelo Mathews |
| 13 | Shoib Malik |

# Org types

Decide upon at least one way items of your type can be organized in each of the following ways:

|  |  |
| --- | --- |
| **Org type** | **Org item** |
| Hierarchy | A teamOrganization heirarchy with nationalSide and playingRole under it |
| Index | An Alphabetical Index where players are organized according to the starting letter of their first name |
| Association | If you viewed the information for information for this player, you might also like to view the information for this player. |
| Sequence | Batsmen within each nationalSide lined up according to batting order in the team. |

# Page (Screen) structure:

## Full View Page

Create a sketch of the Web page layout you will create to hold full views of your information. Please include at least:

* A banner, local nav and content area.
* 1 sub area.
* Labels on each area that names them.
* Labels

**Banner**

**Local Nav**

**Content Related**

**Players**

## Home Page

Create a sketch of the Web home page layout for your site. Please include:

* A banner area
* Partial views of your info items.

**Banner**

Featured   
Player

Featured   
Player

Featured   
Player

Featured   
Player

Featured   
Player

Featured   
Player

**Content**

# Matching information to the page:

Per the framework of this course, views are rendered into areas.

For each area identified in the illustrations above, please list the views that will render into it.

|  |  |
| --- | --- |
| **Area** | **Views that will render into it** |
| Banner | Static Content |
| Local nav | Index, Heirarchy |
| Content | Full views, Partial views, Sequence, Associations |