

Lucas Clement
Final Synthesis Specs

Concept Mapping

Concept Level(Basic, Intermediate, Advanced)	Concept	Where to find it	How it was demonstrated
Intermediate	Exception Handling	RoundOfSixteen, SemiFinal, QuarterFinal, Finals	Exception handling used to regulate what information gets passed into the constructors
Advanced	Abstract Classes and Interfaces	Round, WorldCup, WorldCupController, WorldCupView	Round is implemented as an abstract class and there are shared methods to the child classes. The MVC elements all have interfaces associated with them to act as a template.
Basic	Equality and Comparison of Class Objects	Round	Round uses quality to compare Country objects to see if they have the same ranking, which should not be allowed
Intermediate	Hierarchical Data Representation	RoundOfSixteen, SemiFinal, QuarterFinal, Finals	The rounds act as a hierarchy as teams progress through the rounds, eventually ending at the finals where a winner is found
Intermediate	MVC Design	WorldCupModel, WorldCupControllerConsole, WorldCupViewConsole	Created a Model, View, and Controller to work with the data and create a GUI output
Intermediate	FileIO	WorldCupViewConsole	Reads in a file in the

			View and passes the information to the Controller
Intermediate	GUI	WorldCupViewConsole	GUI created in the View to allow for buttons to be pressed and data to be portrayed to the user

Grading Statement

I believe my grade on this project should be an 80. There were some concepts that I know I wasn't able to hit exactly so I know I will lose points for those. But besides that, I think my final project is well done and well documented. I portray the concepts well and feel I deserve full marks for the elements I did hit.

Instructions found in .txt file in WorldCup folder