

# **Bucket Buddy**

Rafael Braga, Robert Howe, Jason Nance

# Problem Definition

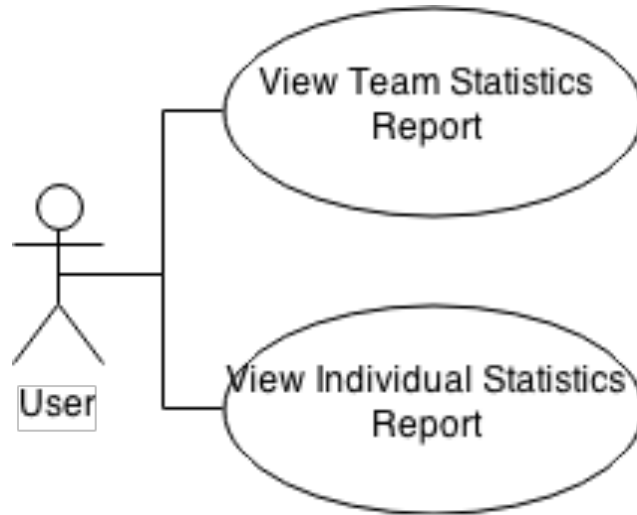


- Keeping track of paperwork can be a hassle
- Easy to forget to bring scorekeeping items of non-professional basketball game
- Aggregating stats is difficult with paper and pen

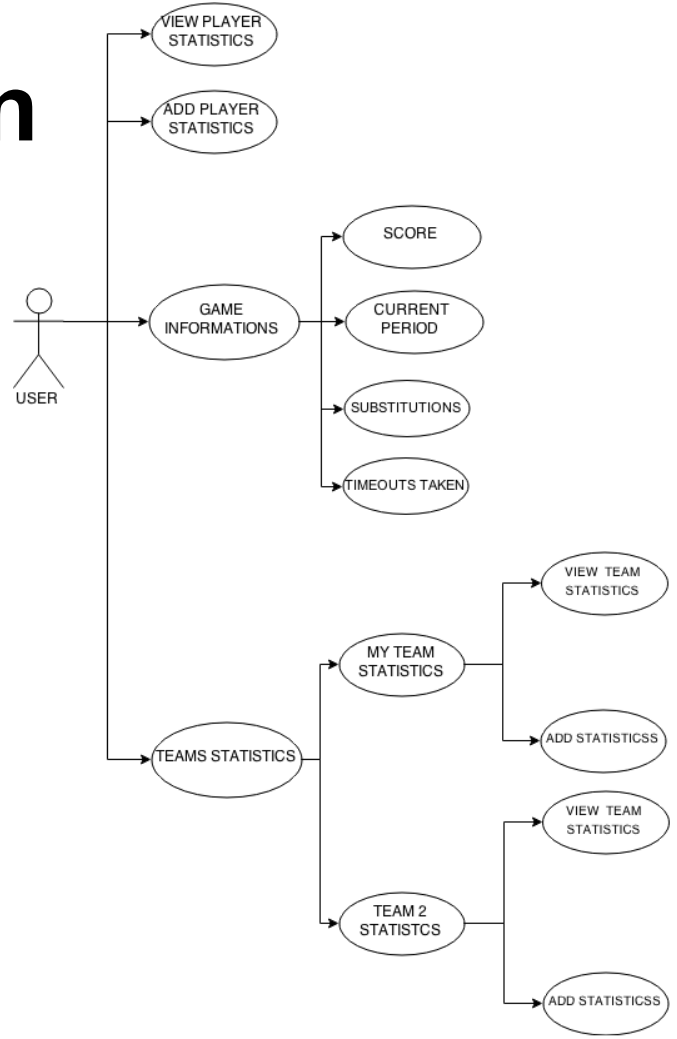
# Scope

- Create classes for Roster, Player, Game, etc.
- Create effective database
- Ensure an intuitive user interface

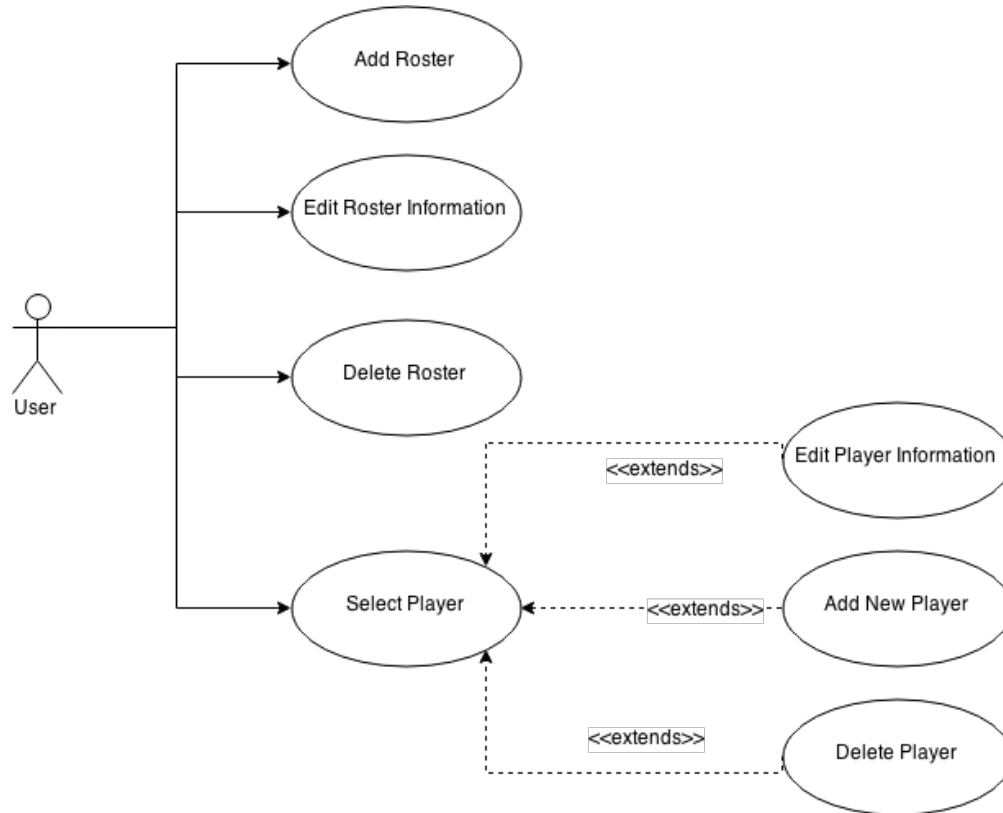
# Use Cases - View Statistics



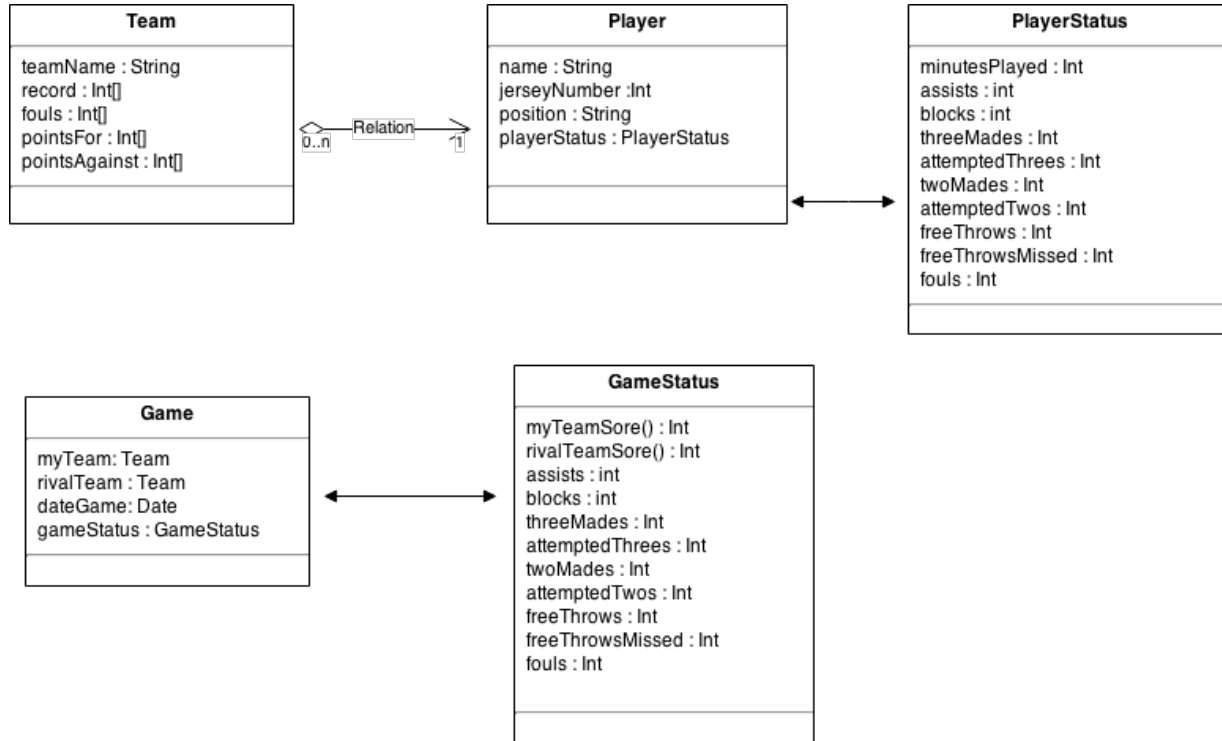
# Use Cases - Game Screen



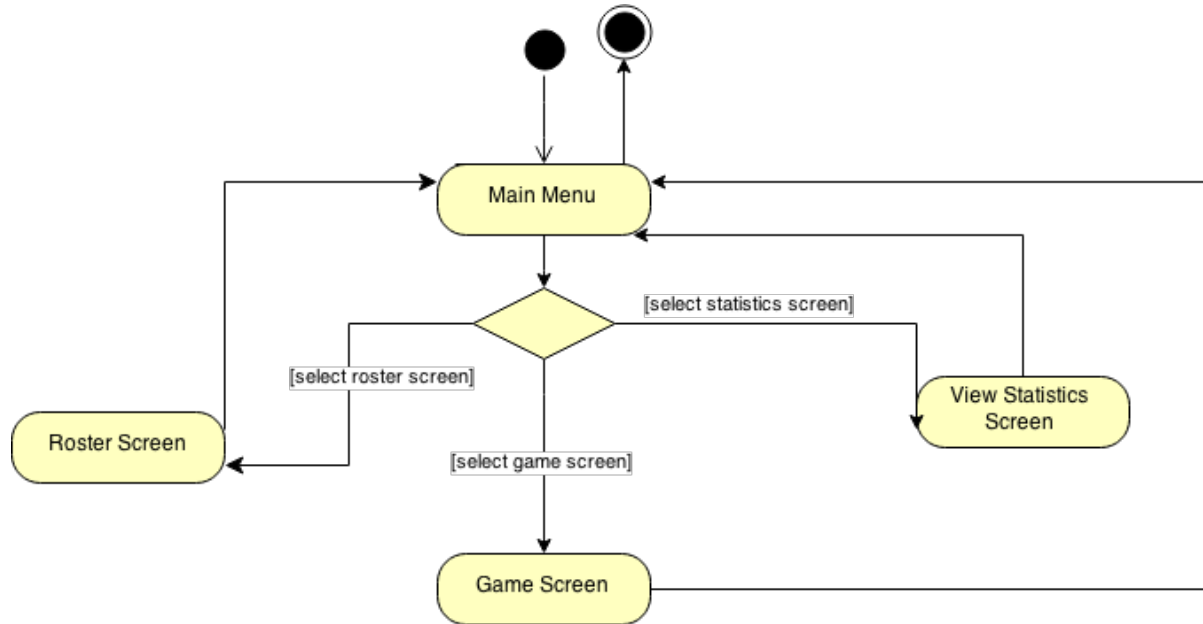
# Use Cases - Roster Menu



# Class Diagram

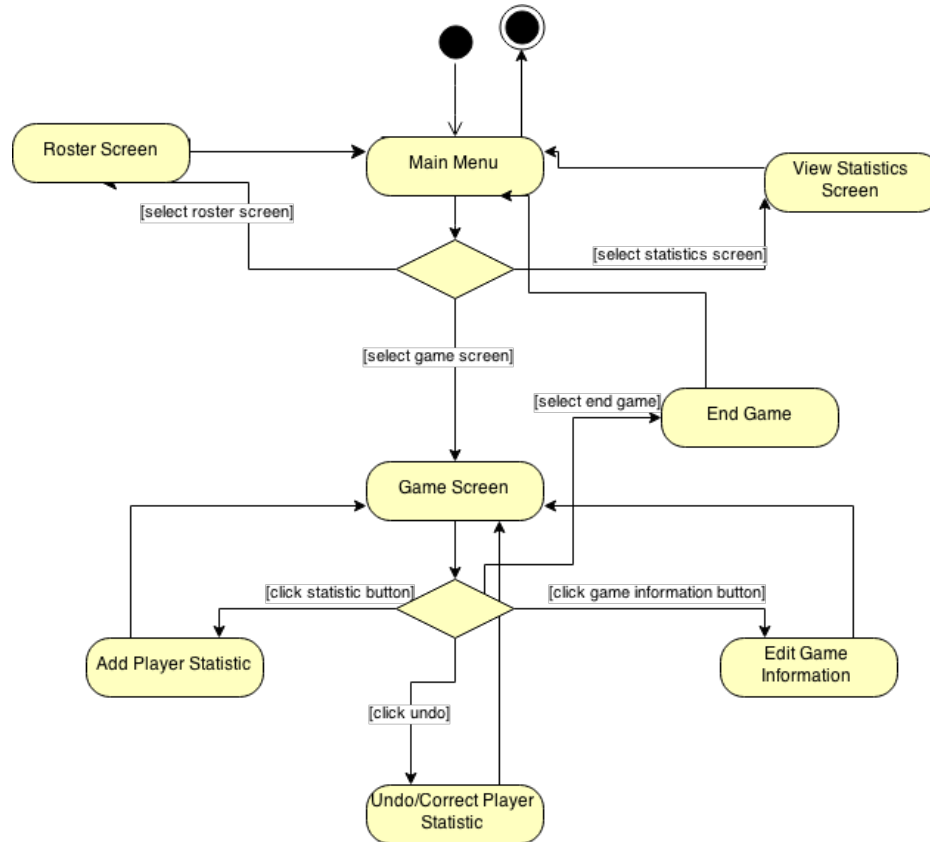


# Activity Diagram - Main Menu

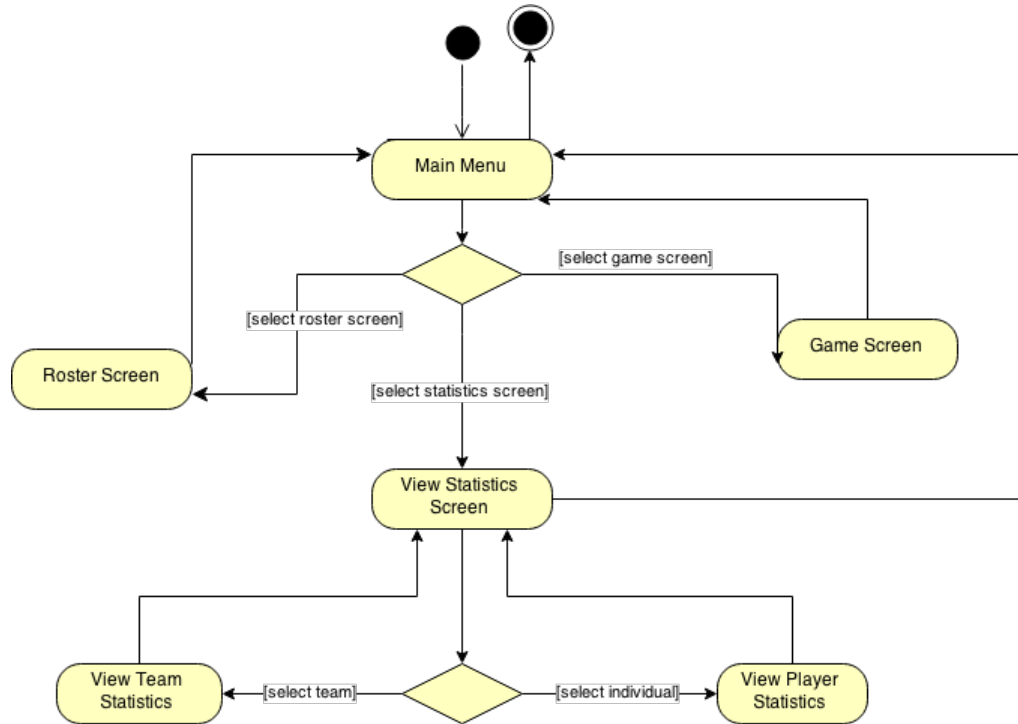




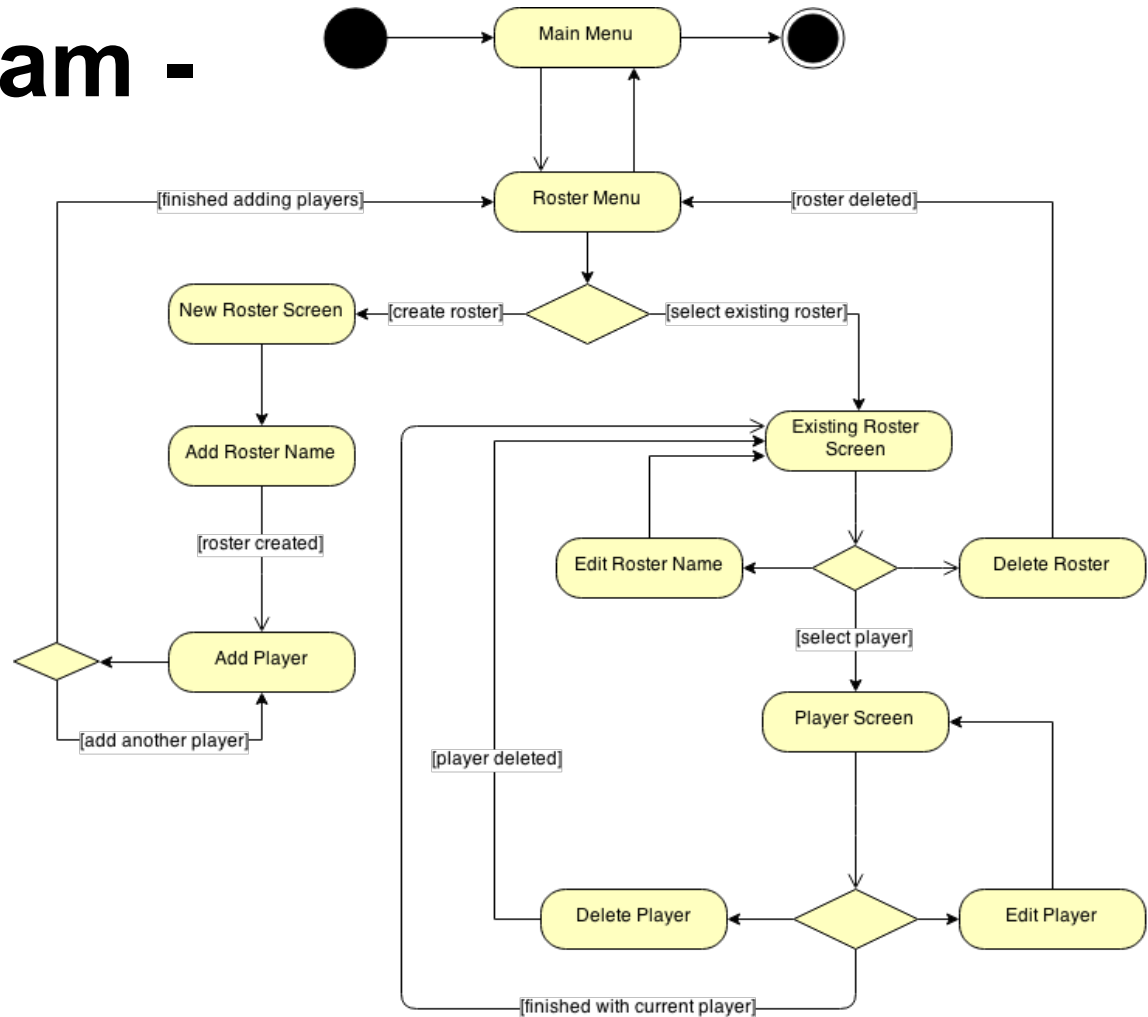
# Activity Diagram - Game Screen



# Activity Diagram - View Statistics



# Activity Diagram - Roster Menu



# Application Features

Required	Possible	If Time Permits
<ul style="list-style-type: none"><li>• Create, modify, and delete rosters and players within rosters</li><li>• View statistics for individual players and rosters as a whole</li><li>• Record statistics and game information via an intuitive graphical interface</li><li>• Rosters, players, and statistics persisted in a local database</li></ul>	<ul style="list-style-type: none"><li>• Graphs and more advanced statistics available for viewing</li><li>• Alternate layout for tablets</li></ul>	<ul style="list-style-type: none"><li>• Networking component allowing two users following opposing teams to sync their statistics during and following a game</li></ul>

# Potential Risks

- Possibly not able to create a fluid application with all the features
- Possibly not able to implement all the features
- Maybe some features do not work so well on smartphones

# Summary Discussion of Project

- Try to do the best possible to make an effective application
- Implement as many required features that our ability with android allows
- Create a free and useful application