

# Charades Class Diagram

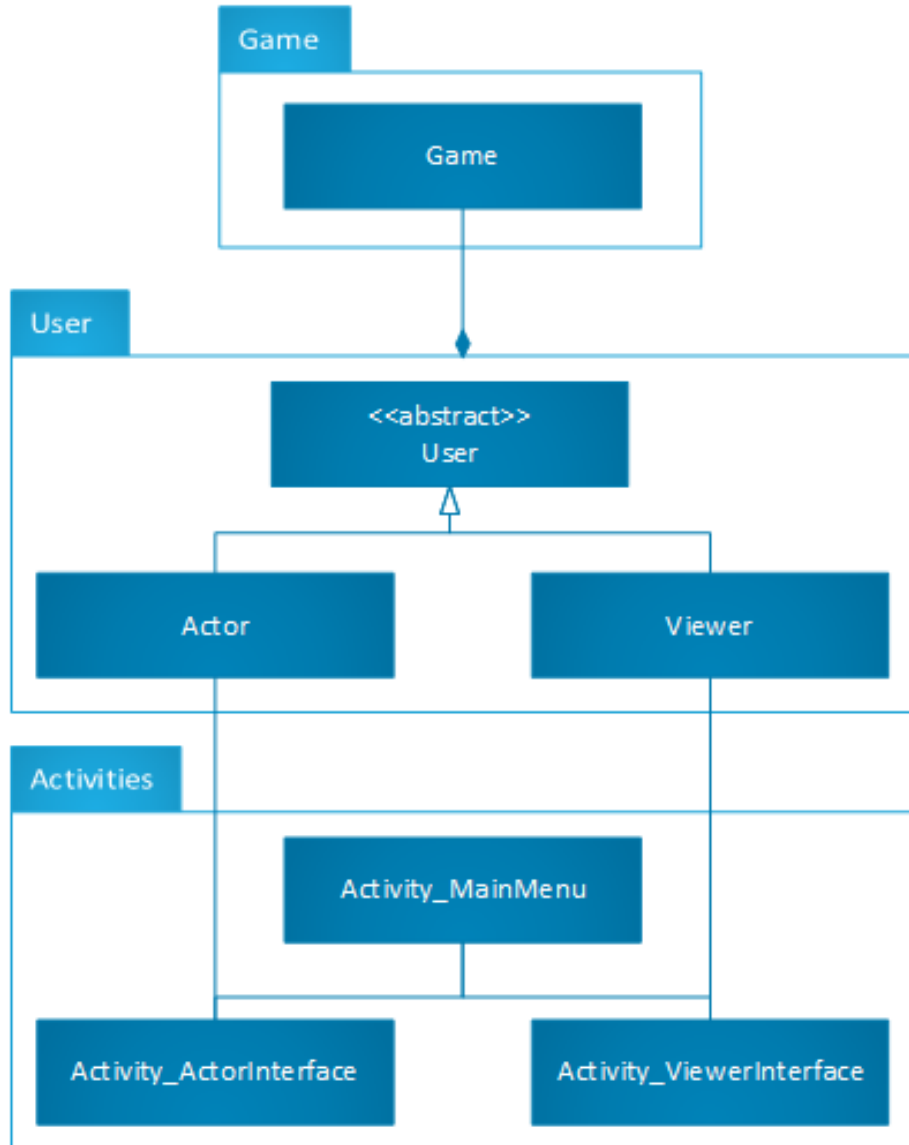
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## 1 Charades Class Diagram



## 2 Description of Class Diagram

### 2.1 Game

The Game package has been left as a simple single class implementation. This will expand when more features are designed and built for the core game functionality. In essence, this class is designed to control the flow of information in the system. The class will deal with storing the current game state, as well as sending and receiving messages between the Viewers and Actors.

### 2.2 User

The User package models the possible users of the system. There is a User abstract class containing commonalities between the all systems users and then two concrete classes that inherit from this. There are two types of known users in the system the Actor, and the Viewer.

Actor: The Actor will have the ability to pick a phrase or word and they will see the actor specific interface.

Viewer: The Viewer will have the ability to guess the currently selected word or phrase and they will only see an instance of the viewer specific interface.

### 2.3 Activities

Activities are the android equivalent of graphical users interfaces. Each activity corresponds to a different screen on the app.

Activity MainMenu: The main menu activity will show the splash screen for the Charades Game.

Activity ActorInterface: The Actor interface will only be shown to the actor in the the Staging Area and will allow the Actor to choose the phrase and current word to act out. The Actor will also be informed if the word or phrase they are acting has been guessed correctly.

Activity ViewerInterface: The Viewer interface will display the current word in the phrase that is viewer are attempting to guess, as well as the genre of the phrase (e.g. book, film, television show, ect.). This interface will give the option to guess either the word or the whole phrase and a submit button to submit a guess. The interface will inform the viewer if the guess is correct or not.