

AMD-09: Rock-Paper-Scissors-Lizard-Spock

Applications for mobile devices & Course 2019-2020

Jordi Mateo Fornés jordi.mateo@udl.cat

- Dr. Jordi Mateo Fornés
- **Office:**
 - Office A.12 (Campus Igualada)
 - Office 3.08 (EPS Lleida)
- **Email:** jordi.mateo@udl.cat
- Doubts
 - During class
 - After class
 - Email
 - Topic: [AMD]: XXXXXXXXXX

This example was inspired in **TicTacToe**.

Rock-Paper-Scissors-Lizard-Spock

Sheldon rules



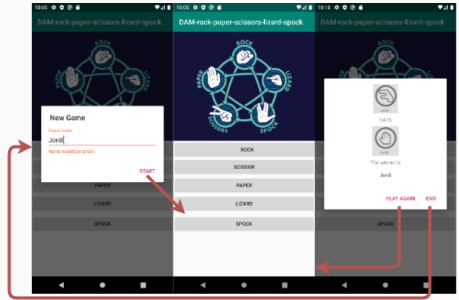
- Scissors cuts Paper
- Paper covers Rock
- Rock crushes Lizard
- Lizard poisons Spock
- Spock smashes Scissors
- Scissors decapitates Lizard
- Lizard eats Paper
- Paper disproves Spock
- Spock vaporizes Rock
- (and as it always has) Rock crushes Scissors

Compute the winner

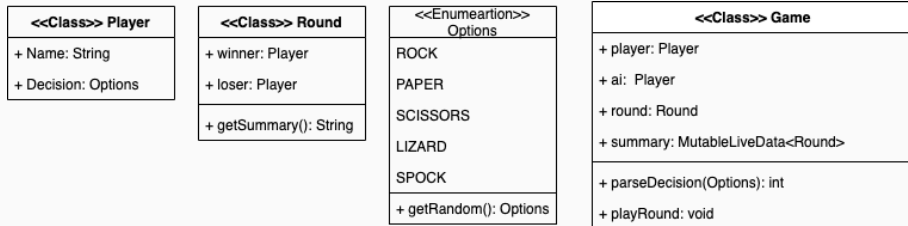
$$(player1 - player2 + 5) \% 5$$

		COMPUTER				
HUMAN		ROCK=1	SPOCK=2	PAPER=3	LIZARD=4	SCISSORS=5
	ROCK=1	0	1	2	3	4
	SPOCK=2	4	0	1	2	3
	PAPER=3	3	4	0	1	2
	LIZARD=4	2	3	4	0	1
	SCISSORS=5	1	2	3	4	0

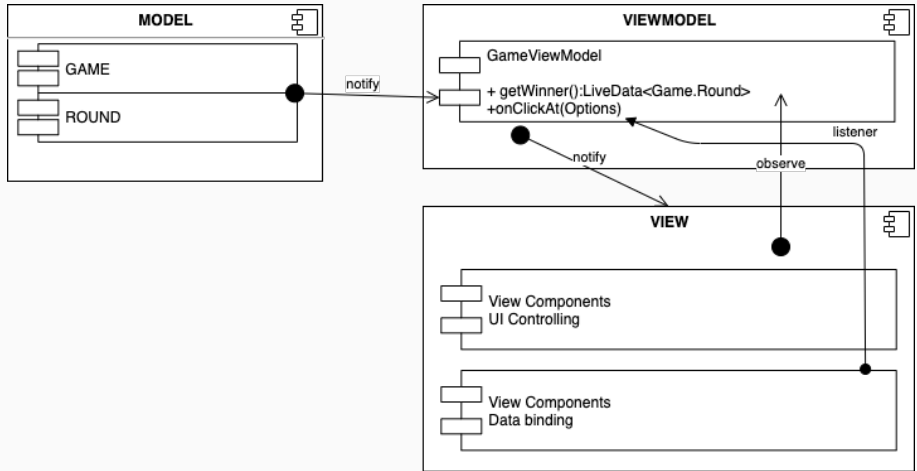
- Design all the user interaction in 1 Activity and 2 Dialogs.
- Enter the user name and validate that it is not empty. (*BeginGameDialog*)
- Select the movement (player).
- IA is going to make a random choice.
- Show round results (*EndGameDialog*).



UML Design: Models



UML Design: MVVM



- **Dialogs:** Developers.
- **DataBindings:** Developers

That is all

www — jordimateofoernes.com

github — github.com/JordiMateo

twitter — @MatForJordi

gdc — Distributed computation group