SWAT-Kats

Muddy Roads

A Greenfoot Game

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MUDDY ROADSI

There once was a city that had no roads.

There was a heavy rainfall, the ground became very muddy and cars got stuck in it.

The mayor decided that some of the roads must be paved, but with minimum cost.

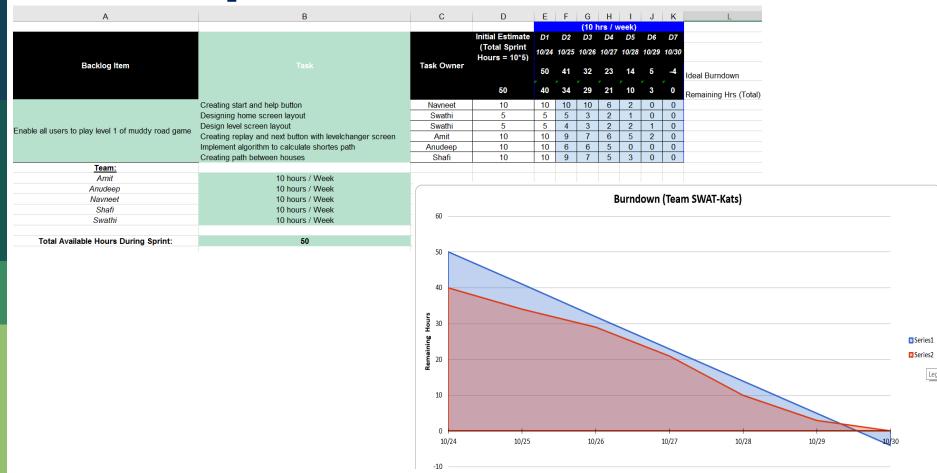
Lets build the roads!!

Play!

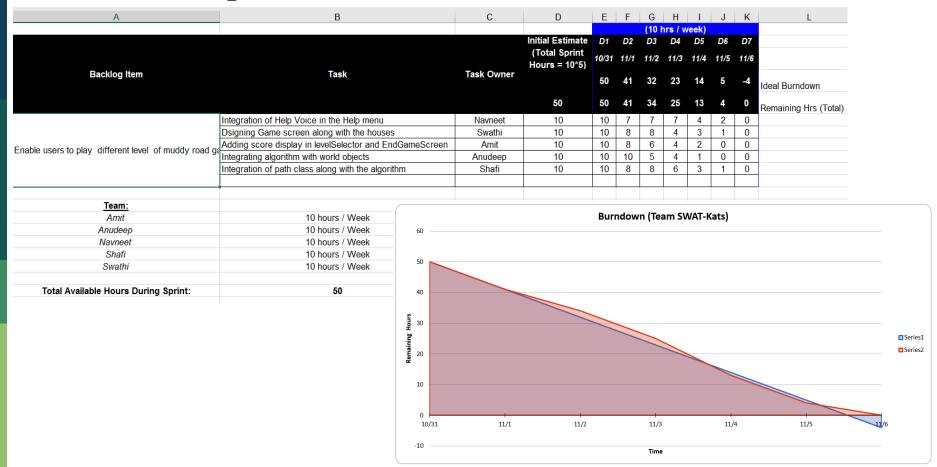
Help!

Demo!

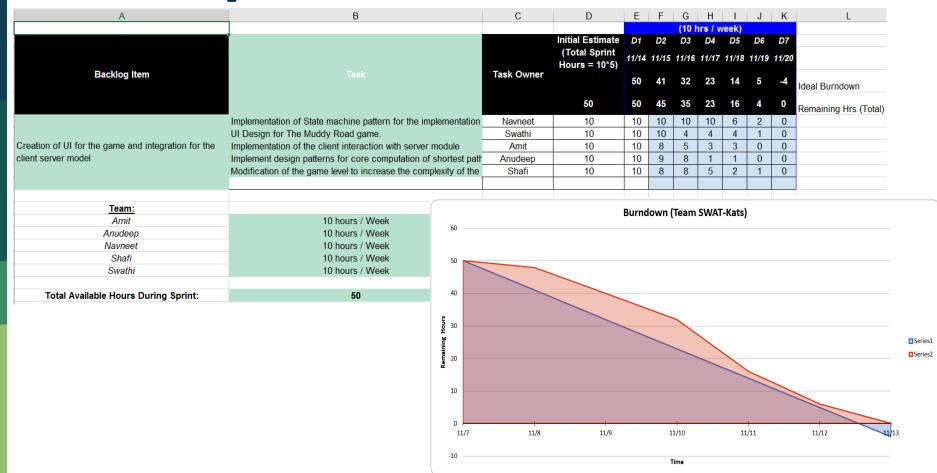
SWAT-Kats Sprint 1 Task Sheet and Burndown Chart



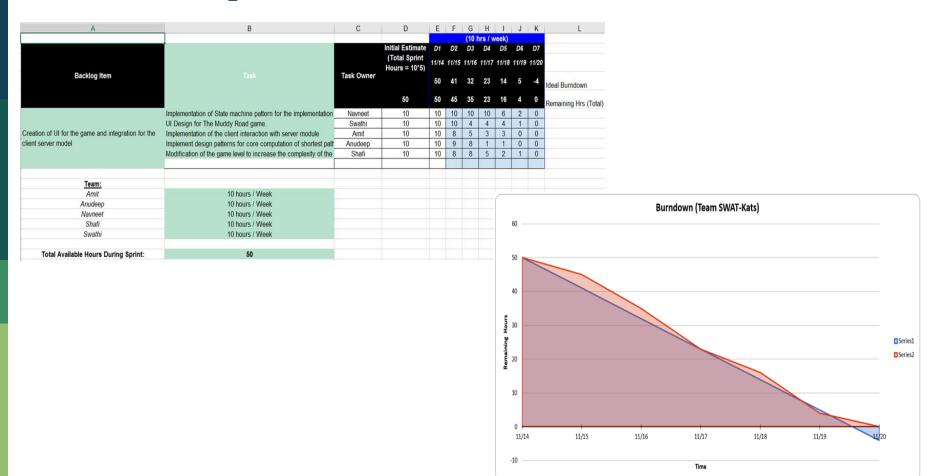
SWAT-Kats Sprint 2 Task Sheet and Burndown Chart



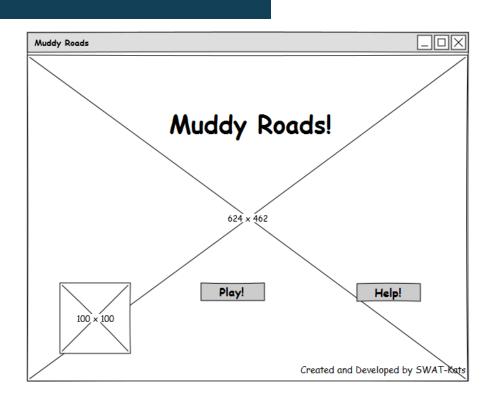
SWAT-Kats Sprint 3 Task Sheet and Burndown Chart



SWAT-Kats Sprint 4 Task Sheet and Burndown Chart

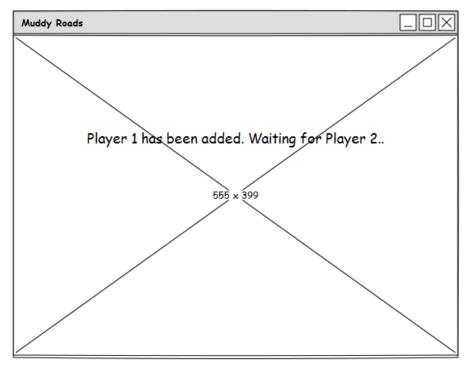


Start Screen

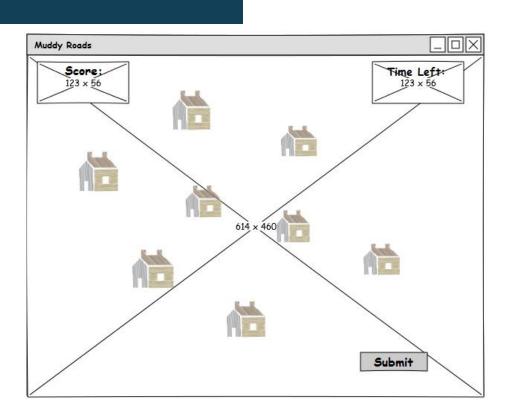


Muddy Roads 566 x 444 Stop Back!

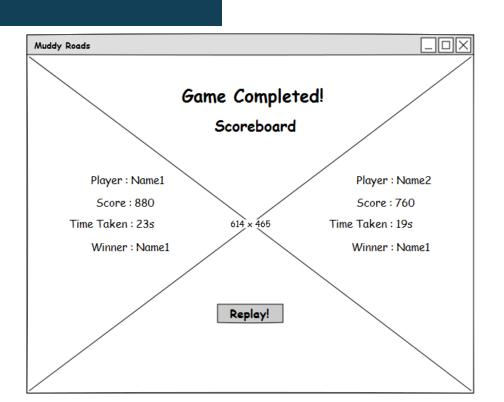
Help and Player Wait Screen



Level Screen



Game Complete Screen



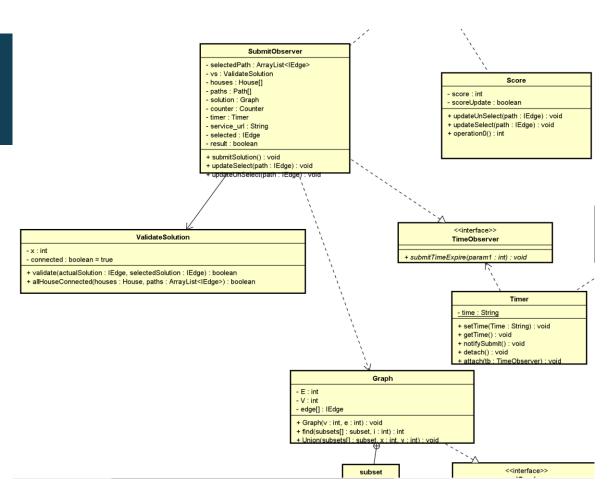
Design Patterns

Let's take a look at the Design Patterns implemented in the game.

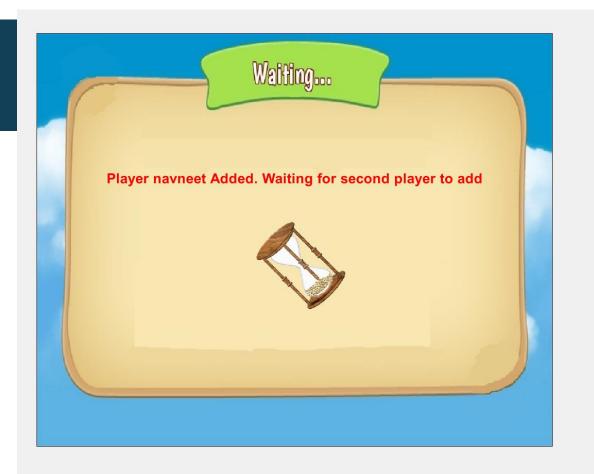
Observer Pattern



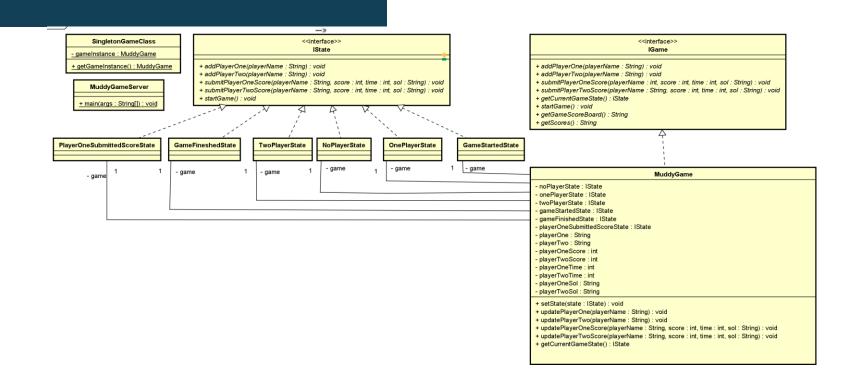
Observer Pattern



State Pattern



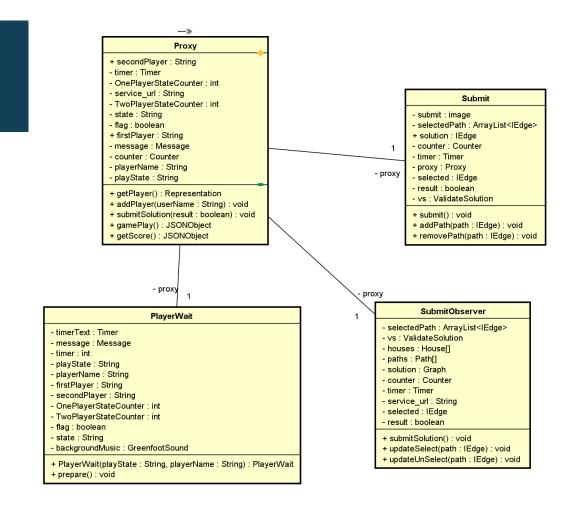
State Pattern



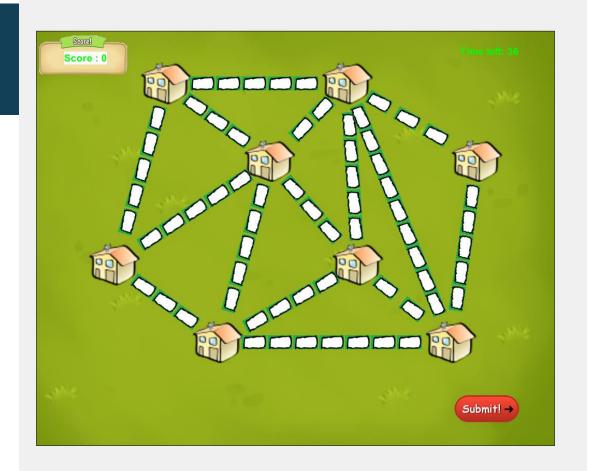
Proxy Pattern

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http://52.196.47.211:8088 Restlet-Framework/2.3.7 -
 [restapi-09686d25-1]2016-12-04T23:09:42.745236624Z 2016-12-04 23:09:42 50.185.76.92 - - 8089 GET /restlet/getGameState - 200 - 0 0
http://52.196.47.211:8088 Restlet-Framework/2.3.7 -
 [restapi-09686d25-1]2016-12-04T23:09:43.178232445Z entity:[application/ison.UTF-8]
 restapi-09686d25-1 2016-12-04T23:09:43.179308424Z jsonobject.getString(username):navneet
 restapi-09686d25-1 2016-12-04T23:09:43.179508033Z jsonobject.getString(score):0
 restapi-09686d25-1]2016-12-04T23:09:43.179683438Z jsonobject.getString(time):27
 [restapi-09686d25-1]2016-12-04T23:09:43.179847781Z jsonobject.getString(isSolutionMST):false
 restapi-09686d25-1 2016-12-04T23:09:43.180167790Z Int Score:27
 restapi-09686d25-1 2016-12-04T23:09:43.180333062Z isSolutionMST:false
 restapi-09686d25-1] 2016-12-04T23:09:43.180508643Z Game has started, playerOne submitting score
 restapi-09686d25-1 2016-12-04T23:09:43.180721273Z status:null
[restapi-09686d25-1] 2016-12-04T23:09:43.180993705Z 2016-12-04 23:09:43 50.185.76.92 - - 8089 POST /restlet/submitScore - 200 - - 3
http://52.196.47.211:8088 Restlet-Framework/2.3.7 -
restapi-09686d25-1|2016-12-04T23:09:43.563765290Z 2016-12-04 23:09:43 50.185.76.92 - - 8089 GET /restlet/getGameState - 200 - 0 0
http://52.196.47.211:8088 Restlet-Framework/2.3.7 -
[restapi-09686d25-1]2016-12-04T23:09:43.984658968Z Scores = navneet:0:27-amit:0:0
restapi-09686d25-1 2016-12-04T23:09:43.984909728Z Decision = waiting
[restapi-09686d25-1] 2016-12-04T23:09:43.985279374Z 2016-12-04 23:09:43 50.185.76.92 - - 8089 GET /restlet/getScores - 200 - 0 1
http://52.196.47.211:8088 Restlet-Framework/2.3.7 -
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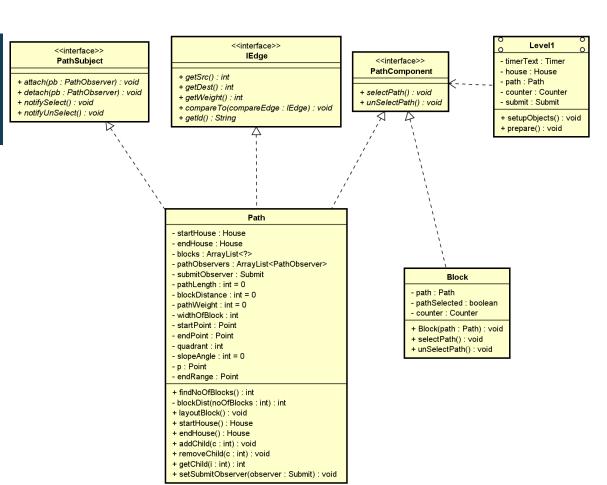
Proxy Pattern



Composite Pattern



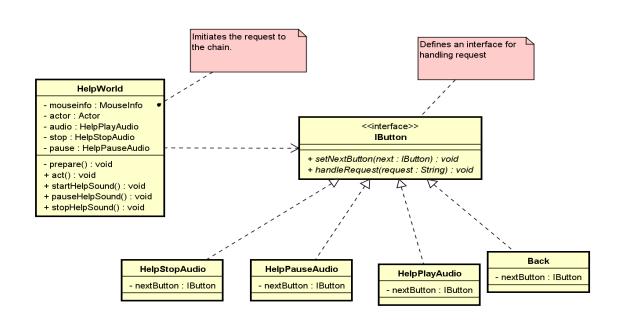
Composite Pattern



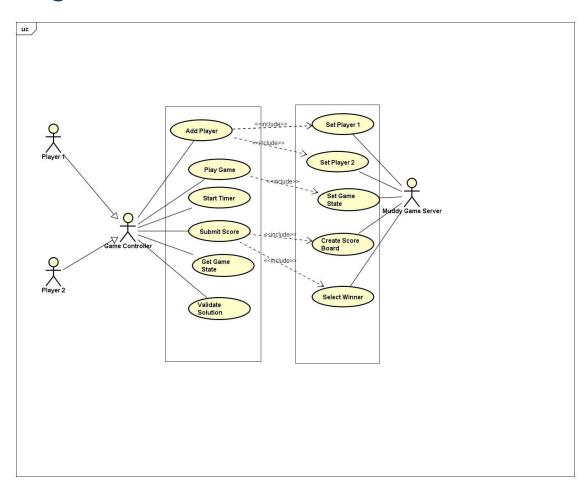
Chain of Responsibility Pattern



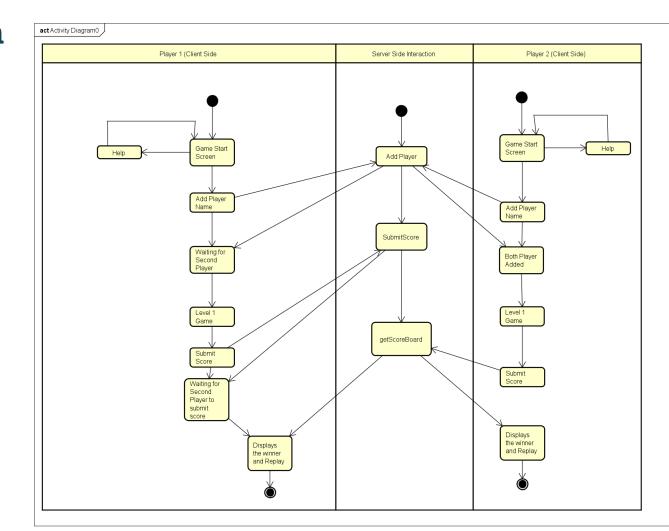
Chain of Responsibility Pattern



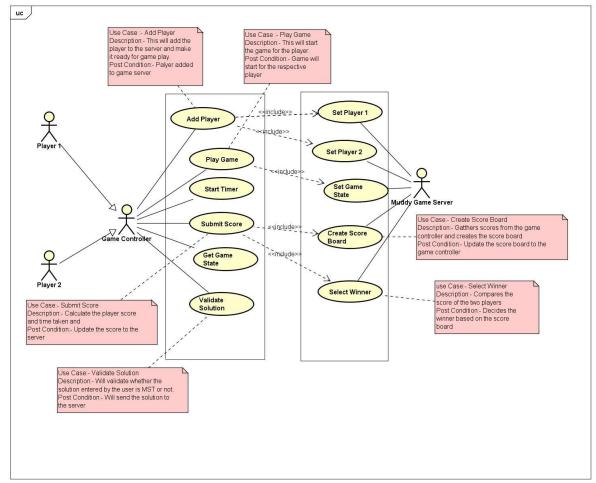
Use Case Diagram



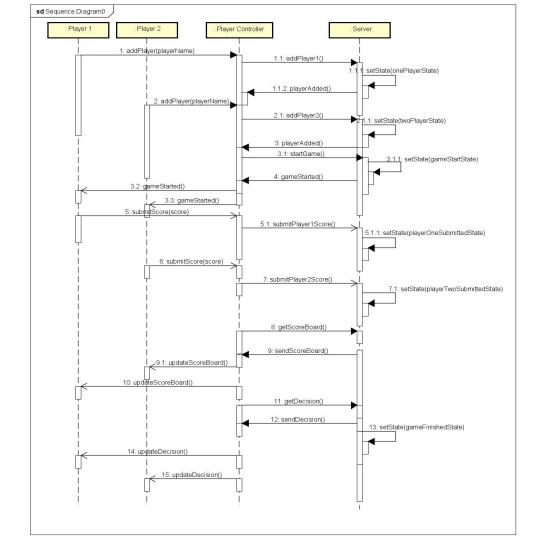
Activity Diagram



Use Case Specification



Sequence Diagram



THANKS!

Any questions?