Sprint 2 review

PROJECT RAJESH
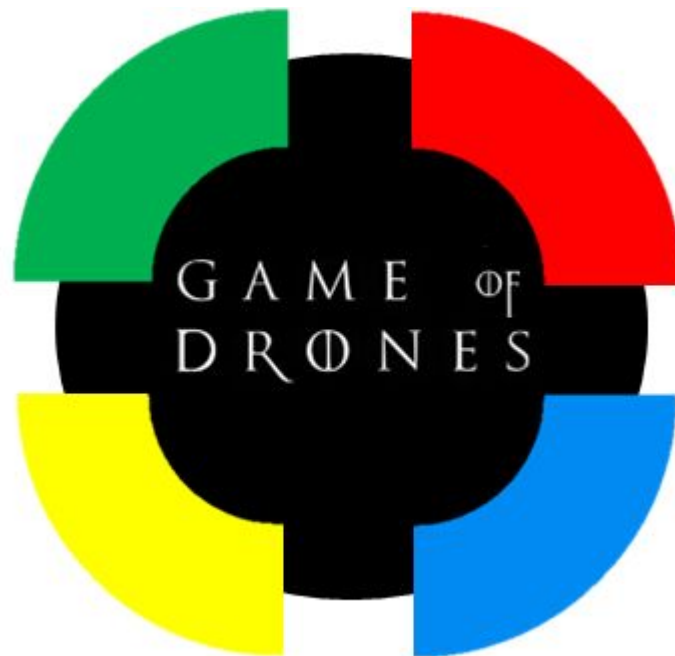
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Project "Simon"

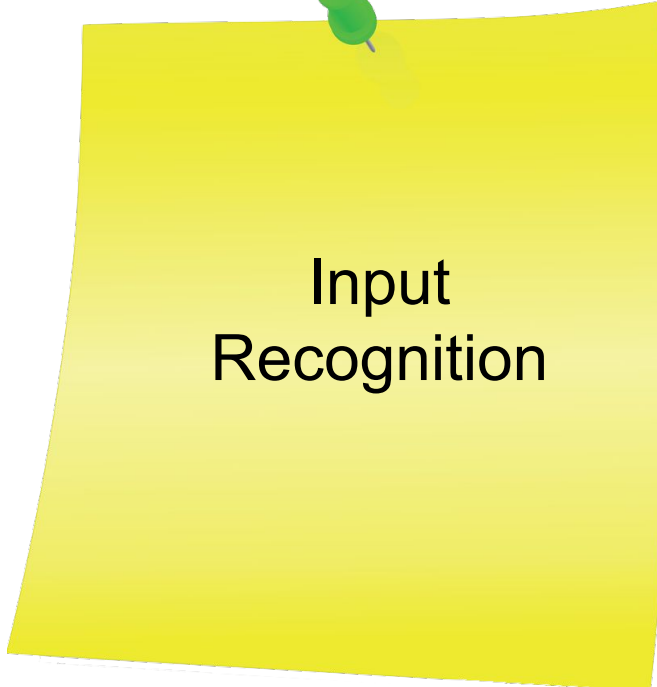https://github.com/Rajesh-Sec-Project/simon

Directions/Features

Embedded
Drone Control

Game System

Input
Recognition

Graphical User
Interface

Wireless
Communication

User
Notifications

Sprint 2's Stories

Reminder: we wanted to set the technical foundations for the project.

- Control the Drone

- Generate Round

- Error States Management

- Navdata Retrieval
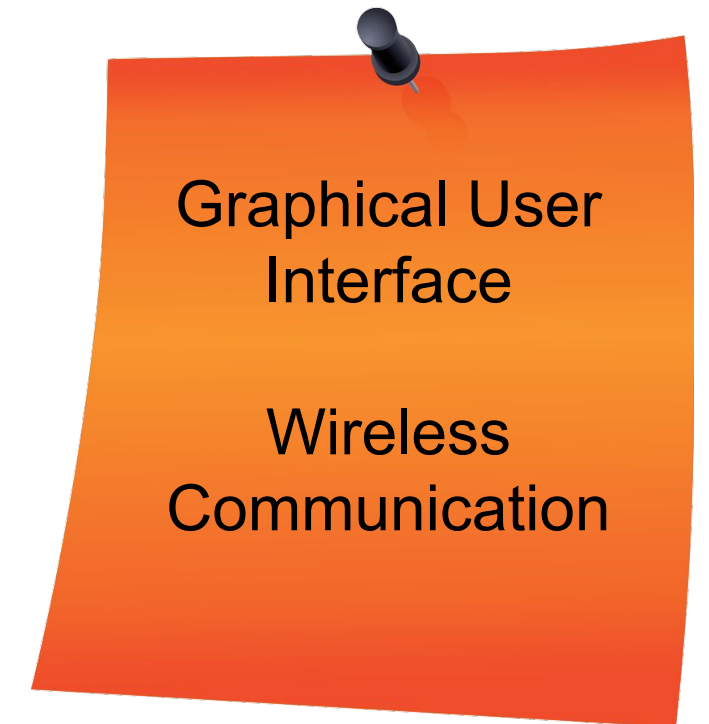
- Image Recognition POC

- Drone Position Control

Control the Drone (2 pts)

- Launch script

- Drone's state display

- Logging interface

"As a developer,
I want a control interface
In order to be able to control the drone and run
some tests during the development."

Graphical User Interface

Wireless Communication

Generate Rounds (1 pt)

- Alphabet

- Random Sequence

"As a user
I want to have some random move sequence
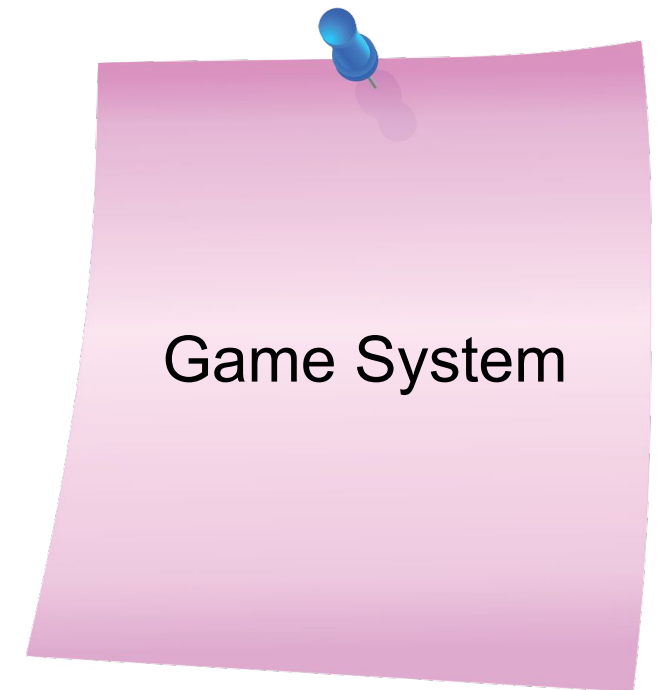In order to have an interesting game
experience."

Game System

Error States Management (1 pt)

- Pattern Recognition

"As a user

I want to know about the mistakes

In order to get better at the game."

Game System

Navdata Retrieval (5 pts)

- Threads creation problem's solution

- UDP port spoofing

- Initiate the transfer

- Parse the navdata

Embedded
Drone Control

"As a developer
I want to be able to retrieve navigation data
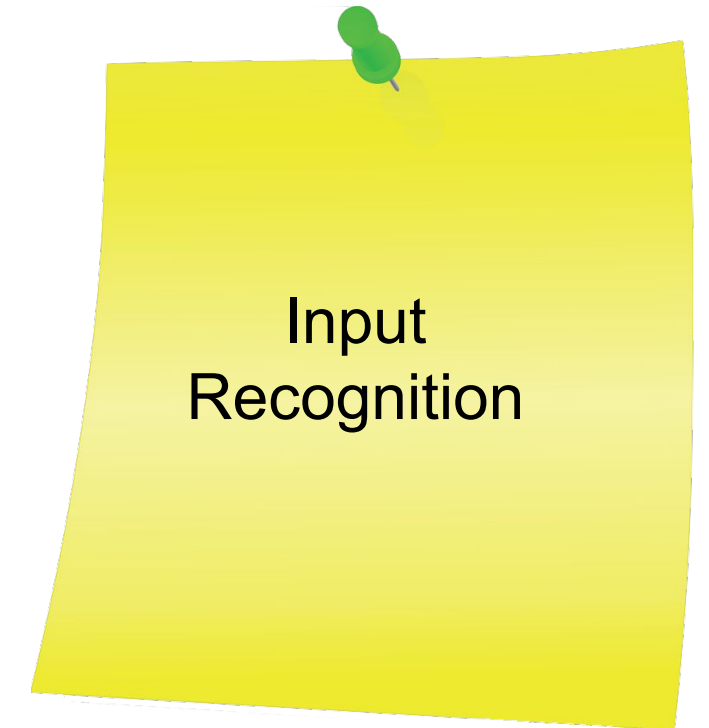In order to be aware of the drone state."

Image Recognition POC (2 pts)

- Study of the SDK

- Tag detection

"As a developer
I want to select the most relevant technology
In order to implement a real-time image
recognition system."

Input
Recognition

Drone Position Control (3 pts)

- Controller type selection

- Controller implementation

- Positional data retrieval

- GUI position control

"As a user

I want to control the drone

In order to bring the drone to a precise position."

Embedded
Drone Control

Sprint 2's review

- Quality of estimation?

- Tasks dispatch?

- Tasks completion?

- Advancement of the project?

Planning of Sprint 3

Goals:

- Not being ashamed of calling the project a game
- Setting the player at the center of the action

Name	Estimation	Subtasks	Acceptance Tests
Drone position control (sprint 2)	1	1	2
Drone position control integration	1	2	1
Execute rounds	2	2	2
Control the game	2	2	2
Visual target detection	3	3	2
Drone speed control	2	2	1
Manage games	2	2	1
Display scores	1	2	1

14 points in total

Thank you!

Do you have any questions?