

# Smart Water fountains

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## Project objectives:

Continue building the project by developing the mobile app using Python. Use a mobile app development framework (e.g., Flutter) to create an app that displays realtime parking availability.

## App development:

For developing a app for notifying the free space in parking area .our team created a app through MIT inventor which gives simple and needable things for developing the app.

## Steps for App developing in MIT inventor:

For these first go to MIT inventor website and click the create apps

Secondly we can open a new project to do our work

Then we can see the phone screen in our laptop screen .we can drag and drop the buttons or anything else that we need.

After designing the screen we must go to block section where we can drag the code that we want for the block to do in the app

After this we can save the project and import into the computer.

Connect the project execution by several ways like wifi, USB etc



**Slot 1**

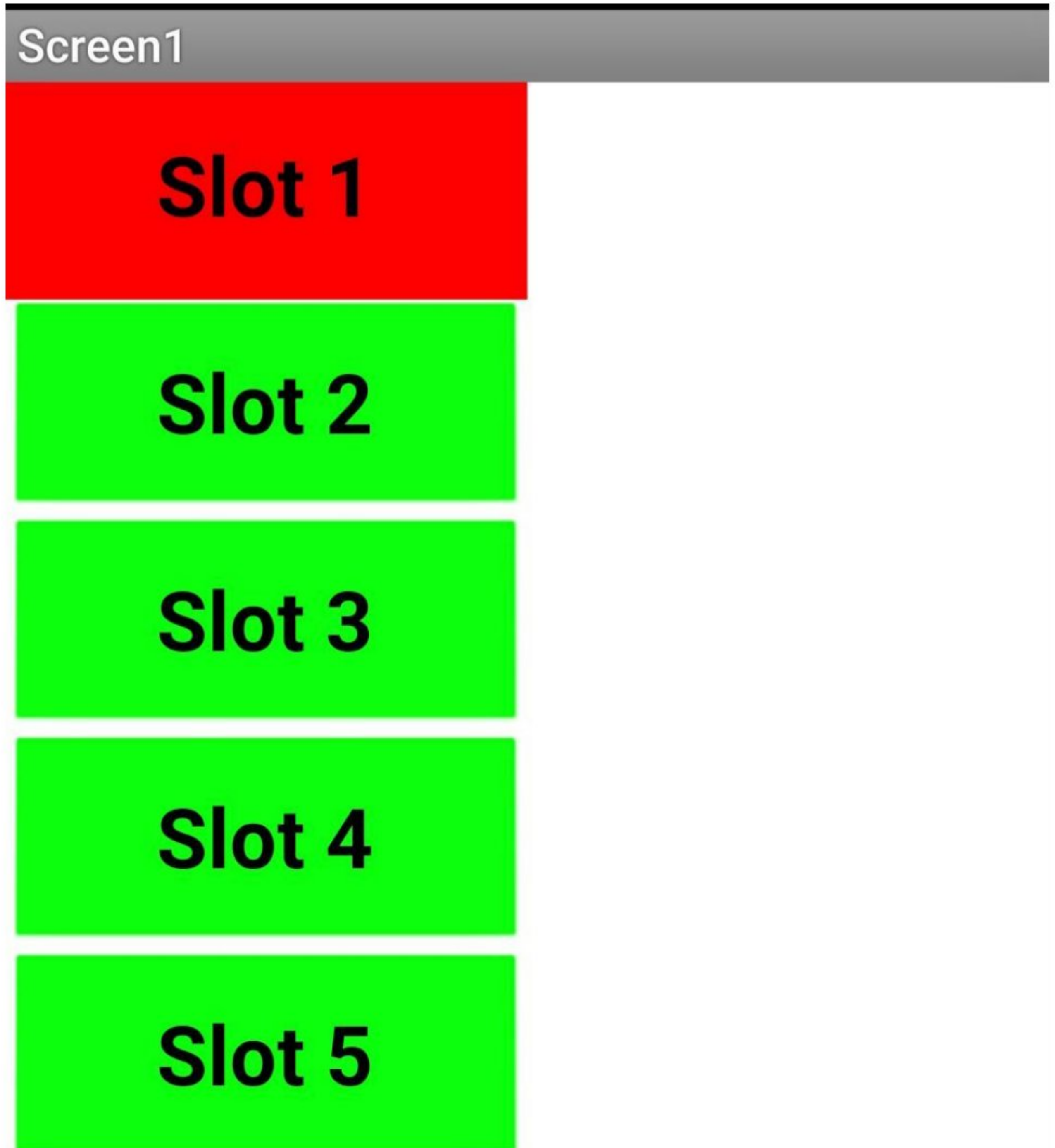
**Slot 2**

**Slot 3**

**Slot 4**

**Slot 5**

Here the slot area is free to park we can choose any place we want





Here the slot 1 is not available for parking so we can search for nearby slot in parking area

The contains only about the parking slots in the particular area.

My app link is:

[https://drive.google.com/file/d/1\\_ZPKt8vn4X8Mgd20aVASjN9nPrpfXpLU/view?usp=drivesdk](https://drive.google.com/file/d/1_ZPKt8vn4X8Mgd20aVASjN9nPrpfXpLU/view?usp=drivesdk)

Cloud data:

Create a IBMCloud account for retrieving the collected data from the sensors and iot devices that allowed to sense the vehicle in the parking area.

The IBM cloud is free for trial so we can this time to connect with IBM cloud server for successful transition of data.

Collected data are put in cloud and we can sense by these about the parking spaces in the parking area.