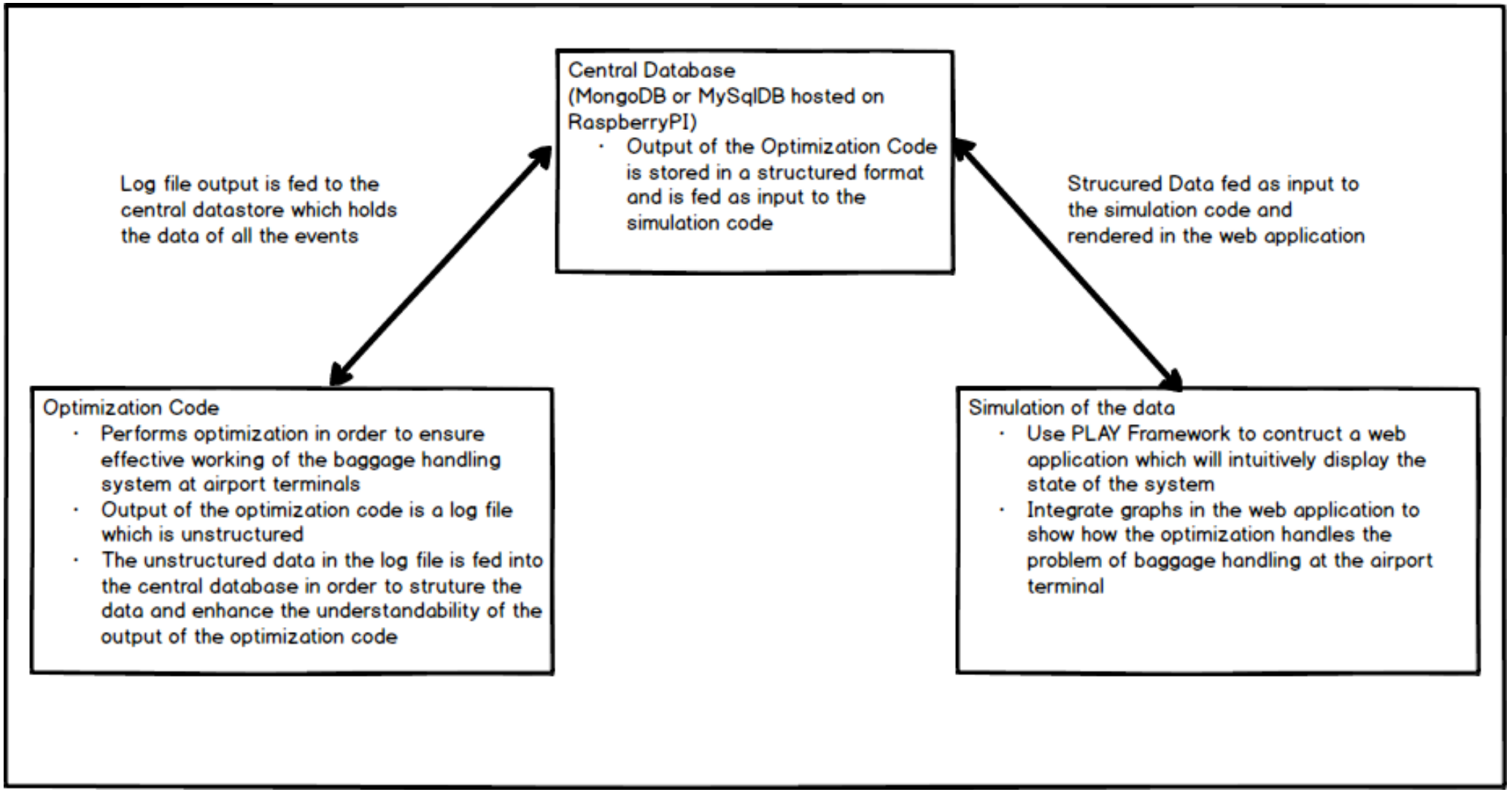
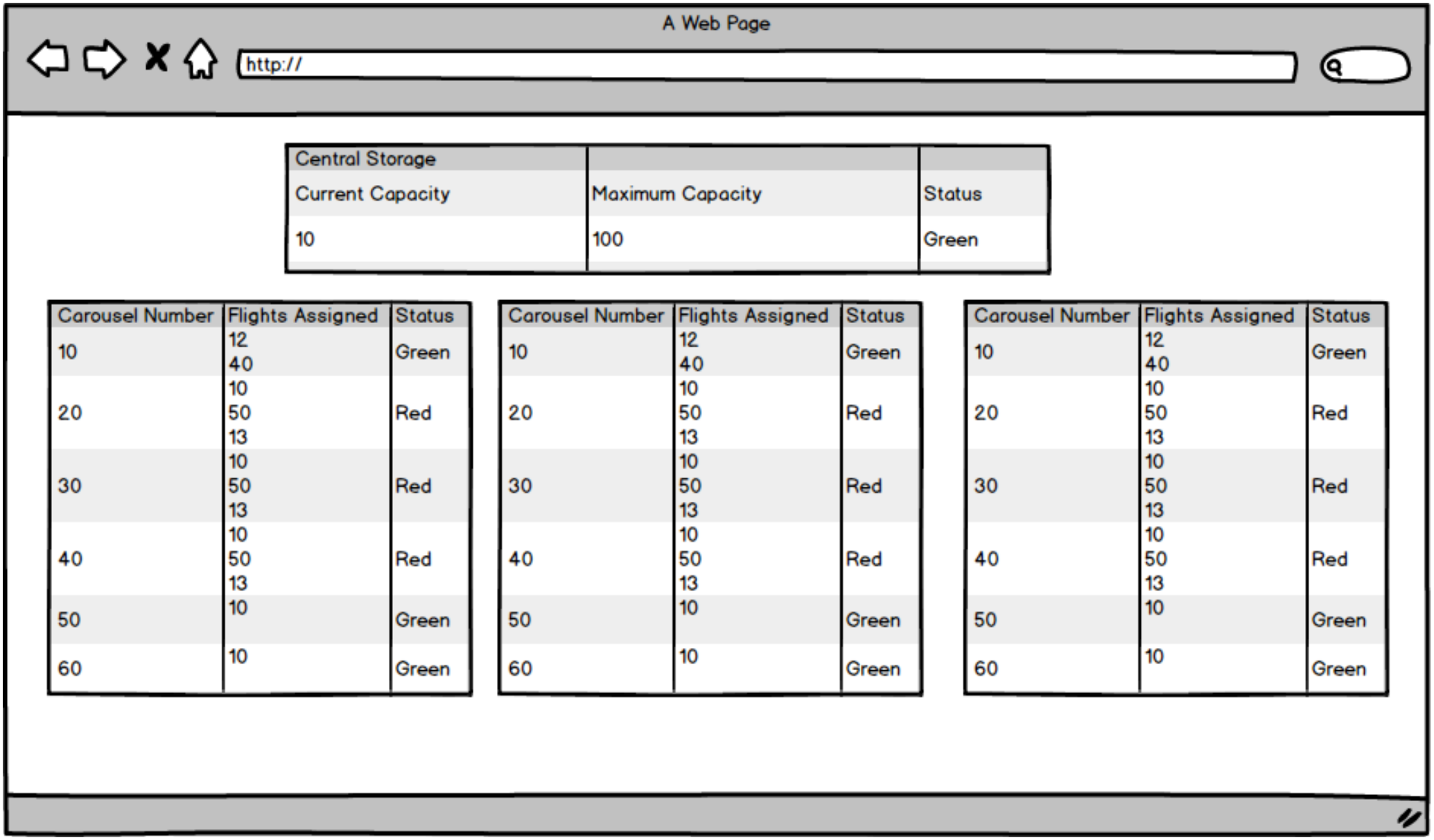

Central Database
(MongoDB or MySqlDB hosted on RaspberryPI)
Output of the Optimization Code is stored in a structured format and is fed as input to the simulation code
Log file output is fed to the central datastore which holds the data of all the events
Strucured Data fed as input to the simulation code and rendered in the web application
Optimization Code
Performs optimization in order to ensure effective working of the baggage handling system at airport terminals
Output of the optimization code is a log file which is unstructured
The unstructured data in the log file is fed into the central database in order to struture the data and enhance the understandability of the output of the optimization code
Simulation of the data
Use PLAY Framework to contruct a web application which will intuitively display the state of the system
Integrate graphs in the web application to show how the optimization handles the problem of baggage handling at the airport terminal



Central Storage		
Current Capacity	Maximum Capacity	Status
10	100	Green

Carousel Number	Flights Assigned	Status
10	12 40	Green
20	10 50 13	Red
30	10 50 13	Red
40	10 50 13	Red
50	10	Green
60	10	Green

Carousel Number	Flights Assigned	Status
10	12 40	Green
20	10 50 13	Red
30	10 50 13	Red
40	10 50 13	Red
50	10	Green
60	10	Green

Carousel Number	Flights Assigned	Status
10	12 40	Green
20	10 50 13	Red
30	10 50 13	Red
40	10 50 13	Red
50	10	Green
60	10	Green

A Web Page

http://

Carousel No.	Flights Assigned	No. of work stations	Total No. of workers	Ground Handler(s)	Current Capacity	Max Belt Capacity	Status
10	12 40 30	4	10	AeroGround	10	30	Green

Flight Number 12		
Workstations Assigned	Assigned Workers	Status
1	10	
2	20	Green
3	15	

Flight Number 40		
Workstations Assigned	Assigned Workers	Status
1	10	
2	20	Green
3	15	

Flight Number 30		
Workstations Assigned	Assigned Workers	Status
1	10	
2	20	Green
3	15