

The University of Faketoria (Team 4)

**Parking Lot++
Request For Proposal
Version 2.0**

September 24, 2021

Parking Lot++ Request For Proposal

Project Version 2.0

Document History

Version	When	Who	What
1.0	2021-09-20	The University of Faketoria	Initial Drafting
1.1	2021-09-23	The University of Faketoria	Editing Draft
2.0	2021-09-24	The University of Faketoria	Final RFP

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1.0 Problem Description / Expression of Need

Currently, drivers driving into the University of Faketoria are struggling to find parking in the University's parking lots. This is caused by drivers not knowing which parking lots have available parking spaces in them. In addition, this has resulted in heavy traffic around campus, and frustrated drivers. We are in need of a solution that can show incoming drivers the availability of our various parking lots around campus.

2.0 Project Objectives

The System needs to meet the following goals:

- A list of parking lots, with available spots
- The System needs to be updated in real time, so a driver knows when spots are available.
- The System needs to have a map showing the location of each parking lot, so a driver knows where to find the parking lot they are looking for.

3.0 Current System(s)

Currently, the University of Faketoria uses ticketing booths to allow for drivers to pay for parking located in each parking lot. There is also a map of the University of Faketoria's parking lots on the university's website, but this map shows only location and no other details.

4.0 Intended Users of the System

The intended users for this system would be the University of Faketoria staff and student drivers, since they are the vast majority of people using the University of Faketoria parking lots. The general public and visitors to the University would also be able to use this system.

5.0 Known Interactions Within or Outside the Client Organization

- Interacts with the ticketing and payments from the ticketing booths.
- Interacts with the University of Faketoria's parking map.

6.0 Known Constraints to Solution

- The user interface should be in the form of a website accessible from both desktop and mobile devices.
- The website should display updates to available parking lot spaces with a real time interface.
- The system does not store information on the vehicles that enter or leave the parking lot.

7.0 Project Schedule

ID	Task Name	Start Date	End Date	Duration	Assigned To	Completed (x)
1	Request for Proposal (RFP)	2021-09-16	2021-09-24	1 Week & 1 Day	Parking Lot++	x
2	Requirements Elicitation	2021-09-27	2021-09-27	1 Day	Parking Lot++ & Analysts	-
3	Project Charter	2021-10-04	2021-10-07	4 Days	Parking Lot++	-
4	Requirements Document (RD)	2021-10-14	2021-10-19	6 Days	Analysts	-
5	Review of Requirements Document	2021-10-19	2021-10-21	3 Days	Parking Lot++	-
6	Use Cases	2021-10-21	2021-10-31	1 week & 4 Days	Analysts	-
7	Domain Models	2021-11-01	2021-11-14	2 weeks	Analysts	-
8	Final Report with UI modeling	2021-11-18	2021-11-28	1 week & 4 days	Analysts	-
9	Presentation	2021-11-29	2021-12-06	1 week	Analysts	-

8.0 Project Team

Name	Role	Contact
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Suleman, Junaid	Customer Support	nekrodarkmoon@gmail.com

9.0 Glossary of Terms

Driver	A visitor to the University of Faketoria who drives a car to the campus.
Parking lot	A space where many cars can be parked.
Spot	A place in the parking lot where someone can legally park their car.
System	The final product/solution that will fix the parking issues at the University of Faketoria.
Ticketing Booths	The way that drivers pay to park in a parking lot.