Customer Requirements

**SpeedBumps Mobile Application**

**ــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــ**

**Table of Contents**

Document Status: ……………………………………………………………….1 Document History: ……………………………………………………………...1 Project Description: ……………………………………………………………. .2 Mapping Customer’s ID: …………………………………………………………3

**Document Status:**

| **Name** | PO\_SB\_CR\_SpeedBumps\_MobileApp |
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| 1.0 | Marwa | [25-9-2022] Initial Creation |
| 1.1 | Marwa | [11-10-2022] Editing the app’s features |

**Project Description:**

Definition:

An application through which the user can be notified about the coming speed bumps on the road and the remaining distance between the car and the bump

Features:

* Users can choose between more than one business plan
* Users can control the ride
* Alerting the user with the coming speed bumps
* Asking for premissions
* Monitor HW device
* Technical Issues reporting

Key Elements:

* Users can choose the ‘Basic” plan.
* Users can choose the “Premium” plan.

● The user can “start” ,”end” his ride

● The app alert the user with the coming bumps

● The app alert the user with the remaining distance till the bump

● The app save the bump’s location on the user’s GPS screen

* Application needs user permission to use Bluetooth, location,..etc.
* In “premium” plan the app ask the user for his permission to save the bumps on the ride
* Application shall be notified by the embedded device’s issues and status.
* Users can report any technical issue.

**Mapping Cutomers’s ID:**

| **ID Requirement** | **Covers** |
| --- | --- |
| PO\_SB\_ CR\_SpeedBumps\_MobileApp\_ **001**-V1.0 | Users can choose the ‘Basic” plan. |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **002**-V1.0 | Users can choose the “Premium” plan. |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **003**-V1.0 | The user can “start”,”end” his ride |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **004**-V1.0 | The app alert the user with the coming bumps |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **005**-V1.0 | The app alert the user with the remaining distance till the bump |
| PO\_SB\_ CR\_SpeedBumps\_MobileApp **\_006**-V1.0 | The app save the bump’s location on the user’s GPS screen |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **007**-V1.0 | Application needs user permission to use Bluetooth, location,..etc. |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **008**-V1.0 | In “premium” plan the app ask the user for his permission to save the bumps on the ride |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **009**-V1.0 | Application shall be notified by the embedded device’s issues and status. |
| PO\_SB\_ CR\_SpeedBumps**\_**MobileApp\_ **010**-V1.0 | Users can report any technical issue. |