Customer requirements

**SpeedBumps MobileApp**

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| 1.0 | MM | [25-9-2022] | Initial Creation |
| 1.1 | MM | [11-10-2022] | Editing the app’s features |
| 1.2 | MM | [21-11-2022] | Adding a new feature   * PO\_SB\_ CR\_MobileApp\_**002**-V1.3 |
| 1.3 | NH | [30-11-2022] | Applying   * Ch\_Req\_MobileApp\_02 * Ch\_Req\_MobileApp\_03 |

**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:

* The app is Flutter based.
* Users must sign up.
* Different pricing plans.
* Users can control the ride.
* Alerting the user with the coming speed bumps.
* Asking for permission.
* The app allows the user to communicate with the detection device.
* Monitor HW device.
* Technical Issues reporting.

Key Elements:

* The app shall be Flutter based so it can be used by Android and IOS users.
* Users shall have an account to start using the app.
* The app shall contain basic plan.
* The app shall contain premium plan.
* The app shall contain the option to start and end the ride.
* The app shall alert the user with the coming bumps.
* The app shall alert the user with the remaining distance till the bump.
* The app shall save the bump’s location on the user’s GPS screen.
* The app shall guarantee user permission to use Bluetooth, location, etc.
* The app allows the user to communicate with the detection device.
* In premium plan, the app shall ask the user for his/her permission to save the bumps on the ride.
* The app shall be notified by the embedded device’s issues and status.
* Users can report any issue.

**Mapping Customer Requirements:**

|  |  |
| --- | --- |
| **ID Requirement** | **Mapped to** |
| PO\_SB\_ CR\_MobileApp\_**001**-V1.3 | The app shall be Flutter based so it can be used by Android and IOS users. |
| PO\_SB\_ CR\_MobileApp\_**002**-V1.3 | Users shall have an account to start using the app. |
| PO\_SB\_ CR\_MobileApp\_**003**-V1.3 | The app shall contain basic plan. |
| PO\_SB\_CR\_MobileApp\_**004**-V1.3 | The app shall contain premium plan. |
| PO\_SB\_CR\_ MobileApp\_**005**-V1.3 | The app shall contain the option to start and end the ride. |
| PO\_SB\_CR**\_**MobileApp\_**006**-V1.3 | The app shall alert the user with the coming bumps. |
| PO\_SB\_CR**\_**MobileApp\_**007**-V1.3 | The app shall alert the user with the remaining distance till the bump. |
| PO\_SB\_CR\_MobileApp**\_008**-V1.3 | The app shall save the bump’s location on the user’s GPS screen. |
| PO\_SB\_CR\_MobileApp\_**009**-V1.3 | The app shall guarantee user permission to use Bluetooth, location, etc. |
| PO\_SB\_CR**\_**MobileApp\_**010**-V1.3 | The app allows the user to communicate with the detection device. |
| PO\_SB\_CR**\_**MobileApp\_**011**-V1.3 | In premium plan, the app shall ask the user for his/her permission to save the bumps on the ride. |
| PO\_SB\_CR**\_**MobileApp\_**012**-V1.3 | The app shall be notified by the embedded device’s issues and status. |
| PO\_SB\_CR**\_**MobileApp\_**013**-V1.3 | Users can report any issue. |