Product Requirements Document

No texting while driving app

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Insert Concept Photo Here

Product Requirements Document

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# Objective

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| Description | *The application is a no texting while driving app* |
| Vision | *I want my product to be used by every driver* |
| Goals | I want my app to be top 10 in the App Store by a year. |
| Initiatives | *Design Application and improve performance over time.* |
| Persona(s) | *Drivers and parents* |
| Environment | *Anywhere while the vehicle is mobile* |

# Features (copy and paste table as needed for additional features)

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| Feature # and Type | *Log in Screen* |
| Requirement | ***The system shall (have a login screen)*** |
| User Story | *As a [driver] I want to be able to log in so that I can have access to the application* |
| User problem | *Anyone can track the user’s activity without a log in screen.* |
| User value | *It allows the User a personal login and to track their own activity and have their privacy* |
| Assumptions  Business (BA)  User (UA)  Technical (TA) | BA-When a user log in they are able to register the username and password  - When User inputs wrong username/password display an error  UA- they remember the password  TA- A submit button/ interface to check the user password if it’s a strong one. |
| Not doing |  |
| Acceptance criteria  Testing (T)  Inspection (I)  Analysis (A) | Given that is a log in screen that allows the user to type in the username and password when I hit submit it goes through.  T- I type username and password and hit submit the application loads properly  - If I type my credentials incorrectly it displays an error |
| Type of Requirement | *non-functional* |
| Association | *no* |
| Source of Requirement | *My own source* |
| Changes to Requirement | *none* |

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| Feature # | Settings |
| Requirement | *The system shall have a settings page where they could access audio , BT, GPS, Auto Messages, Language and Passenger Mode* |
| User Story | *As an [driver], I want to [be able to access settings] so that [I could adjust the features to my likings] (note there can be multiple user stories for different personas)* |
| User problem | I want to be able to change my settings and choose the features that I want on/off instead of having a default that is permanently set. |
| User value | *It allows the user to change to their liking.* |
| Assumptions | *User knows how basic knowledge on how to use a phone to be able to navigate the app.* |
| Not doing | *You cannot add or request a new setting.* |
| Acceptance criteria | *Allow Testers to test the app* |
| Type of Requirement | *Non-functional* |
| Association | *no* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |

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| Feature # | *Audio* |
| Requirement | *The system shall have an Audio Volume with a bar where they could adjust the volume* |
| User Story | *As an [driver], I want to [be able to change volume] so that [I can hear better if it is low or decrease the volume if it is high] (note there can be multiple user stories for different personas)* |
| User problem | *User may not hear easily* |
| User value | *It helps so user can increase volume so they can hear* |
| Assumptions | *User must be able to use a slider bar to adjust volume*  Phone must be able to handle extreme audio (low-high) |
| Not doing | *Wont change AI gender* |
| Acceptance criteria | *Test it by changing volumes if it changes then It is working* |
| Type of Requirement | *Non-functional* |
| Association | *Connected to settings* |
| Source of Requirement | *My won* |
| Changes to Requirement | *no* |

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| Feature # | *BT Page* |
| Requirement | *The system shall have a button to toggle between Bluetooth on and Off* |
| User Story | *As an [Driver], I want to [toggle Bluetooth on/off] so that [I could output audio on my car or my phone for privacy] (note there can be multiple user stories for different personas)* |
| User problem | *BT will only use one access point* |
| User value | *Having BT allows users to listen to music on their car or switch to audio on phone for privacy* |
| Assumptions | *Car must have BT to establish a connection* |
| Not doing | *Wont have multiple connections* |
| Acceptance criteria | *Connect BT and check if the connection was established* |
| Type of Requirement | *Non functional* |
| Association | *Settings* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |

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| Feature # | *BT Connections Page* |
| Requirement | *The system shall have a Bluetooth connections page so user can forgot one connection and establish a new one* |
| User Story | *As an [driver], I want to [be able to switch connections ] so that [I could keep using BT when using my girlfriend’s car] (note there can be multiple user stories for different personas)* |
| User problem | If you forget a connection, you have to set up all over again |
| User value | *Allow user to be able to use BT for more than just 1 device* |
| Assumptions | *User must be able to know how to switch Bluetooth connections* |
| Not doing | BT won’t work if car is mobile. |
| Acceptance criteria | *Asking a relative to use their car and establish a new connection.* |
| Type of Requirement | *Nonfunctional* |
| Association | *BT Page* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |

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| Feature # | *Language* |
| Requirement | *The system shall have a language page where user can change language* |
| User Story | *As an [Bi lingual speaker], I want to [be able to switch languages] so that [I could use Arabic instead of English as I am more fluent in it] (note there can be multiple user stories for different personas)* |
| User problem | No problems on this setting |
| User value | *This helps the user to change languages depending on the people in the user’s car* |
| Assumptions | *Must provide languages from all over the world preferably with dialects.* |
| Not doing | *Won’t be able to quickly switch between two languages.* |
| Acceptance criteria | *I would change the language and check if the app has changed.* |
| Type of Requirement | *Nonfunctional* |
| Association | *Settings* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |

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| Feature # | *Passenger Mode* |
| Requirement | The system shall have a passenger mode toggle where user can switch if they are not driving. |
| User Story | *As an [driver], I want to [be able to toggle between passenger mode on/off] so that [I could use my phone when I am not the driver] (note there can be multiple user stories for different personas)* |
| User problem | Will not detect if user is lying or not |
| User value | *This helps the user to change modes so they can use their phones while sitting at the passenger’s seat* |
| Assumptions | *User must understand not to change to passenger mode while they are actually driving.* |
| Not doing | *Won’t detect if car is moving or not* |
| Acceptance criteria | *To test I would change modes and see if it locks me out* |
| Type of Requirement | *Nonfunctional* |
| Association | *Settings* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |

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| Feature # | *Parental Screen* |
| Requirement | *The system shall have a Parental page where Parent can adjust child’s phone settings* |
| User Story | *As an [Parent], I want to [be able to look at my child’s phone] so that [I make sure they are safe] (note there can be multiple user stories for different personas)* |
| User problem | People other than parents may abuse this setting |
| User value | *This helps parents track their children in case of emergencies* |
| Assumptions | Users must have the right intentions before using this feature |
| Not doing | *Track Phone usage* |
| Acceptance criteria | *I would turn the feature on and check if it opens a new screen showing another feature within* |
| Type of Requirement | *Nonfunctional* |
| Association | *Settings* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |

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| Feature # | Lock Phone |
| Requirement | *The system shall have a lock phone setting that parent access to lock their children’s phone when they are driving* |
| User Story | *As an [Parent], I want to [be able to lock my child’s phone] so that [I could keep my child from using their phones while driving] (note there can be multiple user stories for different personas)* |
| User problem | People other than parents may abuse this |
| User value | *This helps in preventing children from causing accidents when it is cause of phones* |
| Assumptions | *Parents should know how to use this feature only when their children is driving and to turn it off when they made it safely.* |
| Not doing | Will not display location of child |
| Acceptance criteria | *I would test it with another device and see if it disables the features.* |
| Type of Requirement | *Nonfunctional* |
| Association | *Parental Screen* |
| Source of Requirement | *LifeSaver app* |
| Changes to Requirement | *no* |

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| Feature # | *Crash Detection* |
| Requirement | *The system shall have a crash detection feature to call 911 when an accident happens* |
| User Story | *As an [driver], I want to [be able to have a crash detection feature] so that [if I got into a serious accident the app could call 911 for me] (note there can be multiple user stories for different personas)* |
| User problem | System error could call 911 by itself |
| User value | *This helps the user so whenever they are unconscious the app will call 911 for them* |
| Assumptions | *Phone must be placed in a smooth area where there are no vibrations* |
| Not doing | *Won’t call users family* |
| Acceptance criteria | *I would use my number and create a scene where the app is heavily vibrating and being thrown around and check if it will dial me.* |
| Type of Requirement | *Nonfunctional* |
| Association | *Settings* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |

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| Feature # | *Shut down feature* |
| Requirement | *The system shall have a shutdown feature in case of bugs* |
| User Story | *As an [Phone user], I want to [be able have a shutdown] so that [I could force close the app in case something happens] (note there can be multiple user stories for different personas)* |
| User problem | Users may use this thinking it just closes the app but it is a force quit |
| User value | *It helps so incase the app gets glitchy that will reset and shutdown the app.* |
| Assumptions | *User must know to only use it when the app is glitchy* |
| Not doing | NA |
| Acceptance criteria | *If the shutdown feature works as mentioned* |
| Type of Requirement | *Nonfunctional* |
| Association | *Settings* |
| Source of Requirement | *My own* |
| Changes to Requirement | *no* |