**SEA-Connect® App**

Introduction

Project Summary

*Our application (mobile app) will serve as informational and functional for our SEA-Drive® commercial electric vehicle power-system. Using our application a User can view operate certain functions of the commercial vehicle, monitor performance, track emission benefits and obtain user and aftersales documentation and support. Where Admin will manage the overall functioning of the application from a Back-end portal. Below is the proposed feature of the SEA-Connect® application.*

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| --- | --- |
| Admin – Fleet 1 and Master 2 | Users |
| * Register authorized users - 1 * Register authorized vehicles -1 * Update vehicle emission data -1 * Manage user manuals - 2 * Manage user support videos - 2 * Manage aftersales support - 2 * Provide software updates - 2 * General communications - 2 | * Activate ancillaries remotely * Monitor charging status * Track vehicle emission performance * Track driver performance * View aftersales information * Monitor location data |
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# Project Scope

### In Scope Functionality Admin/Web Portal

* **Sign In Admin**
* Admin must Enter the Valid Email and password and click on login button.
* Admin will be redirected into Dashboard in case of successful Login.
* Admin can enable remember me checkbox for future login.
* **Dashboard**
* Admin 1 will view the count of total user within fleet, if click on view all it will redirect admin to the list of users from where they can manage all users from fleet only.
* Admin 2 will view the count of total user, if click on view all it will redirect admin to the list of users from where they can manage all users.
* Admin 1 will view the count of total authorized vehicles for their fleet, if click on view all it will redirect admin to the vehicle list section from where they can manage all vehicles.
* Admin 2 will view the count of total authorized vehicles, if click on view all it will redirect admin to the vehicle list section from where they can manage all vehicles.
* Admin 1 will manage all their fleets vehicle inputs.
  + Vehicle registration
  + Make/model
  + GVWR in lbs
  + Battery size in kWh
  + Motor size in kW
  + ICE fuel usage dropdown box (gasoline or diesel)
  + Milage per gallon equivalent
  + Depot $ cost of power per watt. For entry only once. Maybe a single variable at beginning for population?
* Admin 2 has visibility and access to all fleets entries to assist in populating remotely as required.
* Admin 1 will manage for their fleet which will include a name and mobile number for app login only.
* Admin 2 will view and have ability to edit all.
* **Notification**
* Documentation updates
* Charging updates by vehicle
* **Profile Management**
* In the header section of the application admin will have option to view their profile details.
* In the same section admin will have option to update their profile image, basic info, change password.
* **User Management**
* Admin Will have option to view all the registered user of the application (name, fleet, location and mobile number).
* If admin click on preview button present with each record admin can view the preview of the details of the users.
* Admin can update users details by clicking the edit action button and update the details of the registered users.
* Admin will have option to search user by their name from the search bar.
* Admin will have option to create new user by providing all details if they click on +add user button from the same user list page.
* Admin will have option to filter total users’ records.
* Admin will have option to create new user from the side bar also.
* **Service Management**
* Admin 2 will have list of areas under Service (History, Video Guides and Owner’s Manual). Emulate that of Tesla app. Similar include Schedule Service with relevant lists as per Tesla App, however requests are provided to Admin 1 for action.
* Admin will have option to disable created forums for all roles if they done it forum created in app will be removed.
* If admin click on author name present with the records it will display the profile details of that authors.
* If admin click on total count of replies present with each record it will redirect admin to the section where all comment will be listedfrom where admin can view the (Author name, Title, profile Image, Comment Time, Total View, and Total Comment).
* Admin will have option to search forum from search bar by using title name.
* Admin can also filter forum records.
* Admin will have option to create new forum if they click on +add new discussion button and providing details (Title name, Description, choose listed category or add new one, add, create, or remove tags) which will then be viewable to the forum section to user in app and listed with forum records for admin dashboard.
* Admin will also have option to create new forum from the option present in the sidebar also by providing all details same as above.
* **Books Management**
* Admin will have option to view all record of the Books added by them (Title, Author, Description).
* If admin click on edit button present with each book from the action section it will give option to update details of the Books.
* Admin will have option to delete book from the listed records.
* Admin will have option to add new book if click on +add book button and by providing details (Title, Description, featured image, remove featured image if want) after click on add book button it will be shown in app and listed in admin books record list.
* Admin will have option to search books by title from search bar.
* Admin will have option to filter books records.
* Admin will also have option to add new books from the add new books section present in the side bar.
* **Prayers Management**
* Admin will have option to view all record of the Prayers added by them and users (Title, Author, Description).
* If admin click on edit button present with each Prayers from the action section it will give option to update details of the Prayers.
* Admin will have option to delete Prayers from the listed records.
* Admin will have option to add new Prayers if click on +add prayer button and by providing details (Title, Description, Author name) after click on add Prayer button it will be shown in app and listed in admin prayers record list.
* Admin will have option to search Prayers by title from search bar.
* Admin will have option to filter Prayers records.
* Admin will also have option to add new Prayers from the add new Prayers section present in the side bar.
* Admin will get prayers in email added by user if admin like and want to add it on mobile they can add manually by following above procedure explained but it should be verified if prayers with same title is added by moderator also.
* **Event Management**
* Admin will have option to view all record of the Events added by them (Title, Category, Date/time).
* If admin click on edit button present with each Events from the action section it will give option to update details of the Events.
* Admin will have option to delete Events from the listed records.
* Admin will have option to add new Events if click on +add prayer button and by providing details (Title, Description, Category add or create new) after click on add Events button it will be shown in app and listed in admin Events record list.
* Admin will have option to search Events by title from search bar.
* Admin will have option to filter Events records.
* Admin will also have option to add new Events from the add new Events section present in the side bar.
* **Gallery**
* Admin will have option to add multiple images for church which will be shown in app for users and listed in admin section as preview.
* Admin will have option to edit and delete the uploaded image as well.
* Image size is (2mb) and format accepted (jpg, png, jpeg)
* Admin will have option to add multiple videos for church which will be shown in app for users and listed in admin section as preview.
* Admin will have option to edit and delete the uploaded videos as well.
* Video’s size is (100mb) and quality is (mp4).
* Admin can also play the uploaded videos from the admin panel sections.
* **Donation Listing**
* Admin will have option to view list of donations given to church by users.
* Admin can filter donation list based on Date range.
* Admin can filter donation list based on category and username.
* Admin can search Donation list by username from search bar.
* **Push Notification**
* Admin will also have the list of push notification they have created.
* Admin will have option to add new push notification by providing title and details if they click on add button all user in app will get that Push notification.
* Admin can search any push notification by using title from search bar.
* Admin can delete any created push notifications.
* Admins have option to select all notification and delete the selected and can be done one by one also.
* Admin can filter push notification created by date range filter also.
* **Forgot Password**
* Admin must Enter the Email in which a reset password link will be sent.
* Admins need to check their mail and click on reset password link they then redirected into reset password page.
* Admins need to enter password and confirm password and click on submit button they then redirect into sign in page with the conformation message of reset password successfully.
* **Logout**

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### In Scope Functionality Users

* **Sign In Moderator:**
* Admin can create Multiple Moderator (work as sub admin) from create user section which will then listed in same user record list section.
* Moderator will have they are on admin panel in which they can perform each operation as admin do.
* But the things moderator cannot do is delete any things from dashboard and cannot create new Moderator.
* **Skip Signup/ Login**

**Users can skip Signup and Login for some time and access the application without login and signup, but the accessibility levels would be (Read Books, did not get any notification, cannot check profile, cannot participate in forum, cannot comment on blogs, cannot add prayers, cannot join any events, Participate in Live Events, cannot Donate, View gallery, access contact Us.**

* **Sign Up user**
* Users need to provide valid mobile number and click on submit button an otp will be sent to that mobile number user will verify the otp if they did not get, they have option to regenerate it.
* After successful verification of otp user need to provide valid email, password, and confirm password and click on signup button, user will get successful signed up message and redirected to home screen.
* **Login User**
* Users need to provide Valid email and Password to logged in into the application.
* Users will have option to sign in using social media like (Facebook, Twitter, and Gmail).
* **Forgot password.**
* Users click on forgot password link then they need to provide mobile number which is used during signup an otp will be sent to that number (if not they have option to resend it) after successful verification of otp user will be redirected into new screen where they will provide password and confirm password and click on submit button.
* User will get confirmation password reset successfully and redirected to login page.
* **Home page**
* User will have option to view Profile, notification, Events, Blogs, Books, Forum, prayers, Donation, Gallery, Livestream, About, Contact Us by clicking on each.
* On the Header section user can view their profile pic and if click on it will be redirected to profile sections.
* **Notification & Push Notification**
* New Events created.
* New books added.
* New Blogs added.
* New Prayers added.
* Live stream started or scheduled.
* Someone comments or reply on forum Discussion.
* Donation date Reminder set while making first donation.
* **Profile**
* In user click on profile pic it redirects users to profile details section where user will view three sections Profile, Donation History, Books Read and in the header section total donation count will be shown and back button on header will return on home screen.
* In profile section User can view their profile details and if they click on edit button its open new screen from where user can update their profile pic (crop option should be there) and other details.
* In Donation section user can view donation the give Monthly with details (Church name, date, amount).
* In Books read section user can view the list books they have read ones with details (Book image, Book title, Author name (Author is admin), Books Descriptions with read more button which will redirect user to read full books if user click on it).
* Users can log out by clicking on logout button present on users’ profile.
* **Join Event**
* If user click on event from home page it will open list of active Events organized by church in new screens.
* If users click on join button to directly join the events.
* If users click on any listed event, it will open event details page from where user can view the event Descriptions, Time, and Category. User can either confirm to join event by clicking join button or click on RSVP button to confirm that they are not sure about it.
* Users will have option to search event by event date of have option to filter by (Date, Age).
* **View Blogs**
* If Users click on Blogs from home screen it will open list of Blogs created by admin, it contains two section one for latest and other for Popular.
* If users click on read more button it will redirect on new screen containing full details of that blogs.
* Users have option to make comment on each Blogs.
* Users will have option to search blogs by title and filter it using date, and sort by popularity or comments.
* User can view the list of (Same Category) related books on the bottom section of the Blogs page from there they can click on it and read it also.
* List of user’s comments will be shown after admin or Moderator Approval just below the add comment sections.
* **Read Books**
* If Users click on Books from home screen it will open list of Books created by admin.
* If users click on read more button it will redirect on new screen about book will open which contain full details about (Book image, Name of Book, Author name(admin), Books Summary) of those books.
* Users have option to read books by clicking on read button which will then open the book view.
* About Book section also contain list of similar books in the bottom of that section from user can view it.
* **Forum**
* If Users click on Forum from home screen it will open list of Forum created by admin, and Users it contains three section one for new and other for Popular and My Discussion.
* In new section new forum will be listed with details (Author name, profile image, address, date of creation, category, short details of discussion two line max and like comment views count for that forum, and latest three profile image who like the forum) users can like comment on the same forum or reply on others comment as well.
* If user click on any forum, it will open detailed forum and comments on it from there user can comment and reply, comment will contain username and comments details. If user do nested comment can be done on each comment.
* Users have option to filter Forum based on category and tags and can search it by Discussion Title.
* Users have option to create new forum by clicking on + button present on the bottom of the screen.
* Users need to provide (discussion title, select category, selects tags, enter details) and click on publish button.
* **Prayers**
* If Users click on Prayers from home screen it will open list of Prayers created by admin and users, it contains two section one for Popular prayer and other popular authors.
* By default, popular prayer will open which contain list of prayers if user click on any prayer, it will open prayers in detail from there user can read it.
* If user click on popular author, it will show list of popular authors (Image and Name).
* User can create their own prayer by clicking on + button present on the bottom section of the application from there they need to provide (prayer for, category, prayers) and click on publish button it will send prayers to admin email and Moderator emails if admin like they add manually from admin panel and then it will be listed in prayers section on app.
* **Donations**
* If Users click on Donation from home screen it will open history of list of Donation given by that user, it contains two section one for Donation History and other for Donate.
* In donation history user can view the list of donations made by user monthly.
* If user click on Donate it will open a screen from where user can the amount, they want to contribute to different types of section and select donation frequency and click on continue Button.
* There after new screen open which contain two options make payment by either credit or debit card after providing details and click on submit button an otp screens will open after successful verification of otp the successful payment message will show to user and user will be redirected to donation history page.
* **Gallery**
* If user click on gallery will be open in new screen with photos and videos section.
* Users can view both images and videos from that section.
* **Contact Us**
* If users click on contact us form it will open a screen which contains some input fields after providing all details (first name, last name, email, phone number, subject, detailed info) and click on send button it will be sent to admin emails.
* **Live Stream**
* Users can participate in live event organize by admin on YouTube.
* **About Us**
* Users can view the about the church screen and read full details of it and watch added Videos.

Technology stack:

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| --- | --- |
| Mobile App | ReactNative (IOS, Android) |
| API | Node Js/ Laravel |
| Backend | Laravel |
| Compatibility | Android 6 & above  iOS 6 & above |