



Mobile apps & Web Admin Portal

V 1.2

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Objective

To build a mobile app that will allow users/employees to collect and store data for conveyor belt components on a digital Survey form. The super admin can share the details with its customers to receive orders.

Development Principles

- Smart and clean UI's (User Interfaces)
- Smart Navigation Tabs for easy and fast access to all the functions.
- Language of Development – English
- Language of Data Entry – English

Technology Stack

- iOS and Android for Employee App (that will work on iPad and Tablets as well)
- MongoDB, ExpressJS, AngularJS, NodeJS for Web Admin



Team Structure

- Project Manager
- UX Specialist
- Senior iOS Programmer
- Senior Android Programmer
- Senior Web Programmer
- Quality Assurance Tester
- Server Administrator

Main Modules

Mobile Apps for Users/Employees - iPhone & Android - These will be available in the app stores for free. Users will be able to download, install and sign in to access all the services.

Web based Super Admin/CMS for the app owner - This will be a browser based web admin which will enable the Super Admin to manage most of the content on the apps. The Super Admin will be able to Manage users/employees and customers, survey forms, and data collected. The Super Admin will also be able to create other Users with rights and roles.



Mobile Apps for Users/Employees - iPhone & Android

The apps will have the following functions/features:

1. **Sign In** - The admin will create users and the users can sign in using the:
 - a. User ID
 - b. Password
2. **Forgot password**
 - a. The app will ask users to provide their User ID to submit a request to Super Admin for a new password
 - b. The Super Admin can create a new password and share it with the user
3. **Data collection on digital Survey forms**
 - a. Users/Customers can view a **list of digital survey forms templates**
 - i. Select a form to input data (the data in the form will be predefined by the Admin)
 - ii. The form may include a picture representation of a data type that the user will collect.
 - iii. The information that will be collected by the users will be date and time stamped
 1. The user will have the ability to take a picture and tag it to a specific component when collecting data. For e.g. if the user is collecting data for Conveyor belt 1 - component pulley - then the picture taken should have a tag as Conveyor Belt 1 PulleyNote: Every field will also have the option to attach a photo along with text.
 - iv. Admin can make some of the fields mandatory to retrieve information in the future.
Those fields can be:
 1. Company Name
 2. Plant Name



3. Address
4. Automatic Date/time stamp when the data was collected (The date/time can also be edited if needed)
- v. Sync data and upload it to the cloud in real time - The devices will have LTE connection or Wifi connection, so the data that is collected by the users will automatically sync and get uploaded to the cloud environment. This data can be viewed on the web interface by the users or Super Admin.

Note: in the absence of network/wifi the data will get saved offline on the device and will be synced as soon as it gets the network/wifi connection

b. Saved survey forms

- i. Users can view the details of a completed survey form
- ii. If the user wishes to make edits to the originally completed form then the app will alert users and then the users can make edits to the form
- iii. Users can also create a copy of the saved survey form to make edits/changes to it and the user can then save it as another completed survey.

SuperAdmin features & functions for the app owner

1. Login

- a. Admin will login with their email & password.
- b. Forgot Password: Admin will be able to reset their password, it will send an email with a link to set up a new password.

2. User management

- a. Add employees/users
 - i. Create a User ID and Password for each user



- ii. Changing the User ID and Password of an Existing user
 - iii. Edit/delete users
- b. Manage roles & permissions for each user

3. Customers management

- a. Customers details who have signed up for a subscription plan
 - i. Customer name
 - ii. Email
 - iii. Password
 - iv. Subscription plan
 - 1. Duration
 - 2. Renewal date

4. Data management

- a. Super Admin can retrieve and view data (Completed Surveys) in a presentable format
- b. Super Admin can make edits to the data
- c. Super Admin can share the data with its customers via QR code:
 - i. The platform will generate a unique QR code (for conveyor belt/equipment) when Admin shares its access with its customer.
 - ii. Customers will receive a QR code which the customer will scan and the information/data from the survey can be viewed on a web browser by signing into the ISSI platform (Customers who have subscribed to the service will be allowed to access the info using QR code)
 - iii. Customer can then view the details of the parts that they wish to order and can call ISSI offline over the phone to receive a quote from the supervisor

5. Reports

- a. Sales revenue from subscriptions - View sales revenue on a daily/ weekly/ monthly/ yearly basis

6. Logout

Investment costs

Tasks	Cost
Mobile apps for Employees	\$18000
Super Admin Web portal for Owners	\$16000

Delivery Timelines

- 1 Month for UX
- 2 Months after UX approval

Total - 3 months

Investment costs (Optional)

Tasks	Cost
Web app for Customers	\$11000
Marketing website for customers to sign up for subscription plan	\$2000
APIs/Services	\$12000

Payment terms

- 35% upon contract submission
- 65% on completion prior to submission of app to the app stores



Warranty

SDI provides a 6 months debugging warranty on every project. For the initial 6 months after acceptance/launch, if any bugs occur and are identified, we will fix them without any cost to you.

Source Codes

All of the project Source codes will be handed over to the client on project completion. Upon completion and payment of all agreed invoices to SDI, the Client will be the sole and exclusive owner of all software assets and IP of the project.