



Box'd

V 1.2

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Confidentiality of Important Information

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Goal

The purpose of this document is to develop a mobile app that will allow users to manage all at home deliveries to their Box in realtime.

Technology Stack

- iOS and Android for Customer Apps
- MongoDB, ExpressJS, AngularJS, NodeJS for Web Admin

Development Principles

- Smart and clean UI's (User Interfaces)
Note: Client will provide the UIs/Designs of mobile app (in PSD format)
- Smart Navigation Tabs for easy and fast access to all the functions.
- Language of Development – English
- Language of Data Entry – English



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 Customers - iPhone & Android - These will be available in the app stores for free. Users/Customers will be able to download, install and sign up 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 Customers, Billing/Subscriptions, and communicate with customers. The Super Admin will also be able to create other Users with rights and roles.

SDI will develop a reliable, robust and impressive mobile app for Box'd customers and a Web based admin portal for its owners to manage its customers. This document contains all of the main modules/functions requirements.

API Integration recommendations - Client will Sign up for these services

- In app payments to place order and/or purchase a subscription plan
 - Apple pay
 - Gpay



- Samsung pay

- Buy now pay later API from Square
- Weather/location services
- Order shipping & delivery APIs
- SMS/OTP notifications

Mobile Apps for Customers - iPhone & Android

1. **Splash screen** for logo

2. **Main screen**

- a. Setup new box
- b. Purchase Box'd
- c. Login/Signup

3. **Activate scanner**

- a. By scanning a QR code

Or

- b. Typing in the code manually

4. **Box info screen** - To confirm the scanned box information, it will display the Model number and serial number. It will display action buttons to Sign In or Sign up.



5. **Sign In screen**

- a. By phone number & password (The app will send an access code as an SMS for phone number verification purpose). We will also add a Face ID sign in function as well.

Or

- b. Single sign on with Google (After the user signs in, another screen will be displayed asking users to provide their phone number for account authentication purposes)

Or

- c. Single sign on with Apple (After the user signs in, another screen will be displayed asking users to provide their phone number for account authentication purposes)

Note: This screen will include the “Cancel Setup” option in case the user does not wish to continue

6. **Forgot password** - The app will ask the user to provide their phone number to get access code in order to set up a new password for their account.

7. **Enter code screen** - The code that will be received as an SMS to user's phone will auto populates on Enter code screen

8. **Sign Up screen** - The user can sign up by providing the following information:

- a. Email
- b. Phone number
- c. Password (it will be a combination of alphanumeric and special characters value with minimum

length as 8 characters)

- d. Confirm password
- e. Sign up action button

9. Purchase box

- a. Product title - Box'd
- b. Product price
- c. Product images with an option to view the image full screen
- d. Description
- e. Select a wrap color
- f. Add ons
- g. Proceed to check out
 - i. Preview shopping cart with product info with options to change quantity or cancel purchase

Note: multiple boxes can be added for purchase and along each box will include option to select a wrap color

- ii. Continue to checkout
- iii. Add Address
 - 1. First Name
 - 2. Last Name
 - 3. Email
 - 4. Address
 - 5. State
 - 6. Zipcode
 - 7. Phone number
- iv. Option to Add coupon code
- v. Select Payment method to complete purchase



1. Pay with credit card
 - a. Add Card details

Or

2. Pay with
 - a. Apple pay or Google pay or PayPal

10. **Home screen** - This screen will display the following:

- a. User's Name with a Welcome text
- b. Notifications icon with unread notification number
- c. Weather conditions based on user's location
- d. Upcoming Deliveries list
 - i. Pending
 - ii. Completed

Note: if there are no upcoming deliveries then it will display a message with the action button to "Generate a code"

- e. Option to Generate a new code
- f. Footer menu
 - i. Home
 - ii. My Box/ Camera
 - iii. Code
 - iv. Profile

11. **My Box/ Camera**

- a. History (pg 25)

- b. Camera - It will show live view with the following functions:
 - i. Microphone (turn on/off)
 - ii. Camera/ Box (Lock/ unlock)
 - iii. Option to go full screen
 - iv. Mic - To speak
 - v. Start recording

12. **Code** - This screen will display the following functions

- a. View list of codes allocated to Pending and/or completed deliveries
- b. Option to Generate a new code
- c. Search function to search a specific delivery by a keyword

13. **Generate New Code**

- a. Input Delivery carrier name and Item name to generate a new code
- b. New code will be displayed and activated

14. **Profile**

- a. View Profile picture with Name
- b. - Option to Edit profile
- c. My Box
- d. Deliveries
- e. Saved clips
- f. Subscription (this will just show the information about the subscription plan that the user has)
- g. Settings
- h. Help



- i. Support
- j. Logout

15. **Notifications** screen will display a list of notifications received

- a. This will be time stamped with an option to clear notifications

16. **Edit Profile**

- a. Profile Picture
- b. Name
- c. Email
- d. Confirm email
- e. Password (Option to change password)

17. **Change password**

- a. Current password
- b. New Password
- c. Confirm password
- d. Update Password

18. **My Box**

- a. View List of boxes in your account
- b. Option to Set up a new box
- c. Option to share access to a box
 - i. Box Name



- ii. Box Id
- iii. Box location
- iv. Box images (option to go full screen)
- v. Share access to contacts (by selecting a contact on your phone)
 - 1. Or tapping on + function will open a popup requesting to fill in First Name, Last Name, Phone number/ email address. The app will send a text/email to the user providing details to access Box
- vi. Box delivery date and address
- vii. Rate your experience
- viii. Delivery settings
 - 1. Camera
 - 2. Network (show which network the user is connected to)
 - 3. Saved clips
 - 4. Microphone
- ix. Option to Change location of deliveries by adding complete address and saving the details.
- x. Saved Clips - This will show thumbnails of saved clips
 - 1. Each clip will be saved with its Box ID
 - 2. Each clip will have the following functions:
 - a. Play
 - b. Favorite
 - c. Delete
 - 3. Option to search saved clips by Box ID or by date of delivery and Filters (Options under filter are unknown)
- xi. Deliveries
 - 1. This will list deliveries under each Box on account
- xii. Help
 - 1. Help Q&As under categories like Payment, Coupon
 - 2. Ask Support



- a. View open support information you sent in the past
 - i. View subject, description, files attached and the option to delete tickets
- b. Option to create a new support request
 - i. Subject line
 - ii. Description/message
 - iii. Attach file
 - iv. Submit request

Note: The support tickets will be connected to one Backend/CRM so that the Admin can manage it.

Admin web portal functions/features

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 as sub admins
- b. Manage roles & permissions for each sub admin
- c. Delete sub admins

3. Customer management

- a. View customer profiles



- i. Respond to customers messages/support (integrate CRM)
- ii. View customer's box/boxes under their profile

4. Manage Subscriptions

- a. Add a subscription plan
- b. Modify a subscription plan
- c. Delete a subscription plan

5. Help Content

- a. Add Q&As category
- b. Under each category add Q&As
 - i. Option to Edit or Delete Q&As

6. Order management

- a. View orders
- b. Fulfill order by scheduling a delivery

7. Reports

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

8. Logout

Marketing Website

- 1. Create a marketing website with 3-4 pages
 - a. Links to download app
 - b. App features and functions



- c. Subscription plans details
- d. Privacy policy

2. Users can purchase a box
3. Buy a subscription plan

Investment cost & delivery timelines

| Tasks | Cost |
|--------------------------|---------|
| Hybrid App for customers | \$18000 |

Note: All API integrations with the Hybrid app will be the responsibility of the Box'd team

Optional Service - API integrations for the Hardware SDK - Client will provide the APIs that are available from the Hardware manufacturer and SDI will integrate the APIs with the Hybrid Mobile apps - \$6300

Delivery timelines - 5 months

Payment Terms

- 35% upfront payment
- 35% on 50% code completion
- 30% on completion prior to submission of apps 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 the website and IP of the project.