Strive – Functional Requirement Specification

Module Name: iPad Mini Inventory/Membership signup App

Document Name: Functional Requirement Specification

Version No: Version_0.3

Date	Version	Description	Author's	Reviewed by	Approved by
10/16/2019	0.1	Initial Draft – iPad Mini App 2	Madhuri	Ramkumar Rajendran	Seth Narayanan
10/21/2019	0.2	Updated FRS based on feedback from Ram and updated Mocks	Madhuri	Ramkumar Rajendran	Seth Narayanan
11/18/2019	0.3	Updated mocks and company name	Madhuri	Ramkumar Rajendran	Seth Narayanan

Date of Submission: 10/22/2019

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CR 1 Introduction

This document provides a high-level overview of the iPad TIM App (Time Clock, Inventory Management and Membership App).

CR 1.1 Navigation

The user will have access to open the Strive app from the iPad Mini. On opening the app, the user will be navigated to the login page and can use appropriate credentials to login to the iPad TIM App. The user will be navigated to the home screen upon logging in the portal.

CR 1: Login page

CR 2: Login Page -> Wash Times

CR 3.1: Login Page -> Inventory Management

CR 3.2: Login Page -> Employee Time Clock Management

CR 3.3: Login Page -> Memberships

CR 2 Login Page

The login page will display fields 'Username' and 'Password" and login button.

CR 2.1 Exception Handling

Description	Activity	Post Condition
Incorrect Username or Password	System alerts user with warning message “**Username or password was incorrect.**”	Screen refreshes and loads the login page.
Username or Password not entered	System alerts user with warning message “**Username or password was incorrect.**”	Screen refreshes and loads the login page.

CR 3 iPad TIM App

The Strive Management App can be accessed from the iPad Mini apps. On selecting the app and upon successful login, the application would provide the feature set as explained further in the document. The navigation bar below shall display 4 icons to provide store management services to the user as below.

1. Employee Time Clock
2. Wash Times
3. Memberships
4. Inventory Management

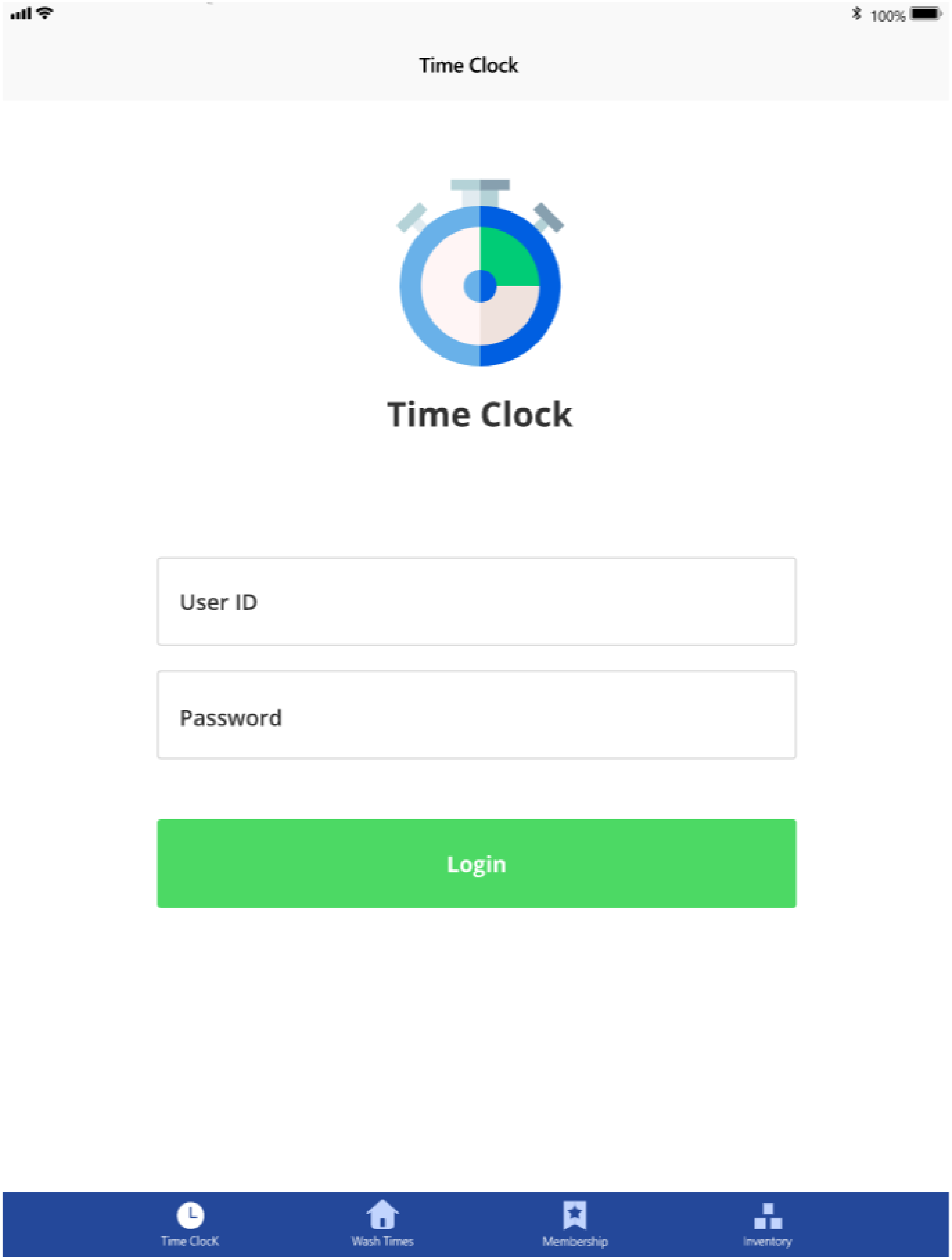
CR 3.1 Employee Time Clock:

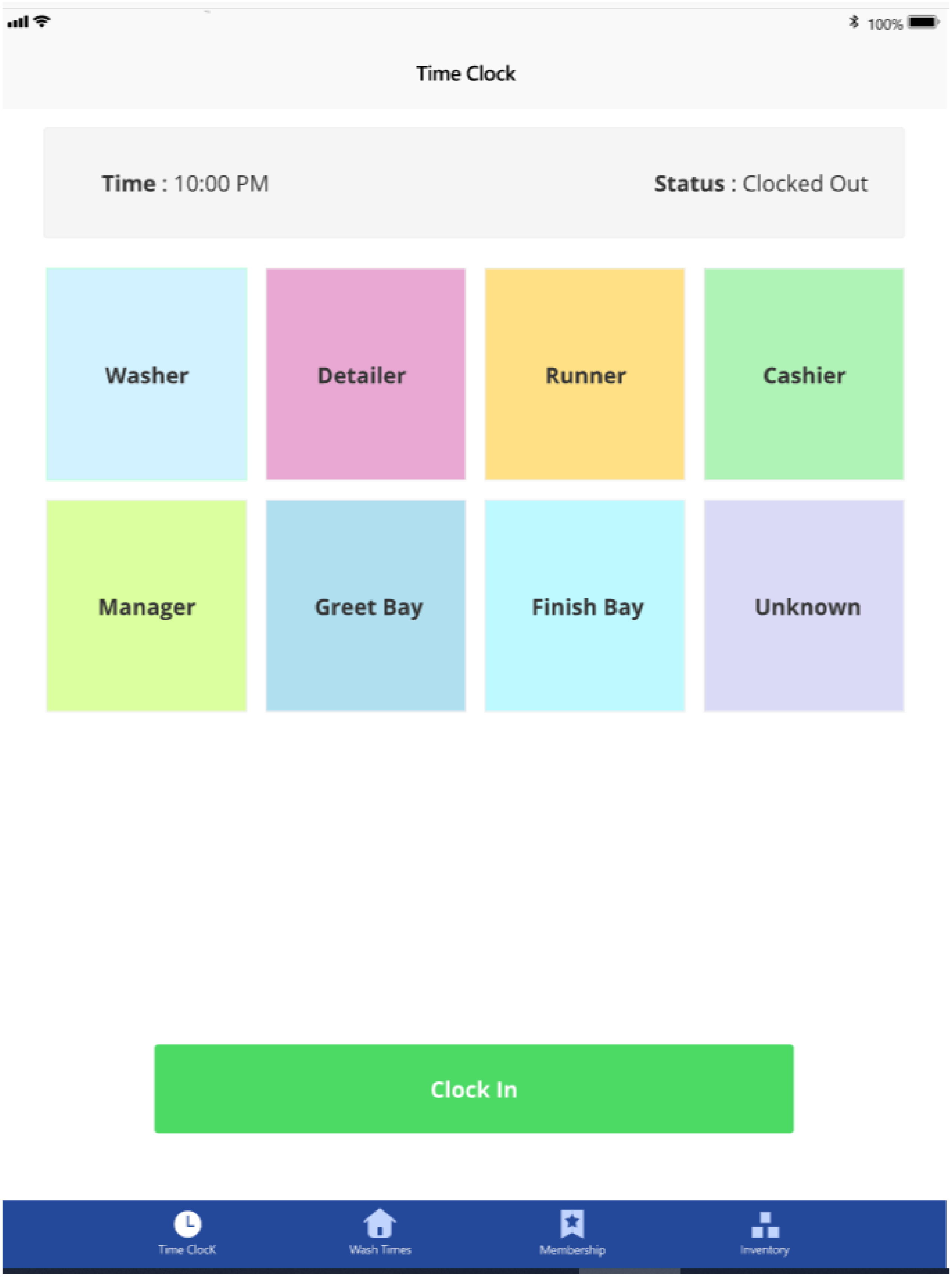
The user will be navigated to the Login screen as soon as the user opens the iPad TIM app, where employee will be able to input their credentials, for the employees to clock-in.
Upon successfully inputting valid credentials, the system will allow the users to select “Clock In “functionality if the user is just clocking in with a grid layout of all the user roles applicable, where the user can choose the role they are clocking in as. The grid layout shall display the following roles for the user to select:

1. Washer
2. Detailer
3. Cashier
4. Manager
5. Runner
6. Greet Bay
7. Finish Bay
8. Unknown

For instance, User A might be clocking in as a washer and the user shall be able to input the valid "ID" and password and select "Washer" from the grid layout and select "Clock In". Once the user selects "Clock in" the system will display a welcome message with the employee's name and role respectively ("Welcome User A. You are now clocked in as a washer!").

The system will auto refresh and display the "Employee Time Clock" after 15 seconds of inactivity and it will navigate the user back to the Time Clock Login module. Similarly, the user shall be able to input valid credentials and select "Clock Out" functionality if the user is already clocked in, the system will only display "Clock Out" for the user to clock out respectively. Once the user clocks out, the system will display a message "Thank you User A, you are now clocked out as a Washer." respectively indicating to the user that they are successfully clocked out with their corresponding role. The users shall be able to access the other modules by selecting the desired icons from the navigation bar as specified


100%
Time Clock
Time Clock
User ID
Password
Login
Time ClocK
Wash Times
Membership
Inventory


100%
Time Clock
Time : 10:00 PM
Status : Clocked Out
Washer
Detailer
Runner
Cashier
Manager
Greet Bay
Finish Bay
Unknown
Clock In
Time ClocK
Wash Times
Membership
Inventory

100%

Time Clock

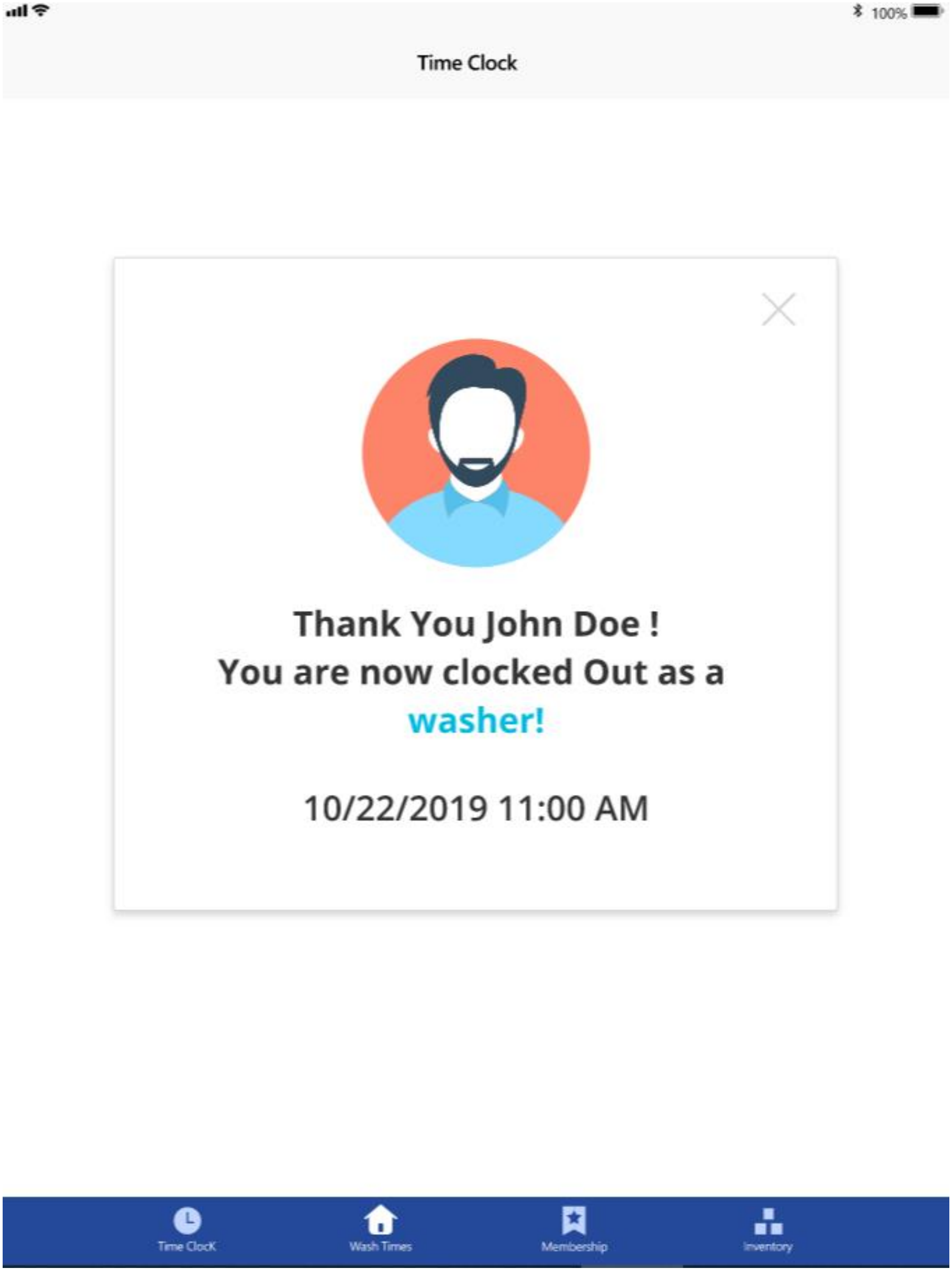
Time : 10:00 AM **Status** : Clocked in

Welcome John Doe !
You are now clocked in as a
washer!

10/22/2019 10:00 AM

Clock Out

Time ClocK | Wash Times | Membership | Inventory


100%
Time Clock
Thank You John Doe !
You are now clocked Out as a washer!
10/22/2019 11:00 AM
Time Clock
Wash Times
Membership
Inventory

CR 3.2 Wash Times Page:

The user will be navigated to the Wash Times screen once the user selects the “Wash Times” icon from the navigation bar from the “TIM” app. The Wash Time screen shall display Wash times by store/location. Further, the app will also allow the user to navigate between other modules such as Time Clock, Memberships and Inventory Management by selecting the respective icons from the navigation bar respectively.

CR 3.3 Logout

The user will be able to logout of the application at any time by selecting the “Logout” icon on the left top corner of the Time Clock screen as shown below. User action of click on the “Logout” option will log the user out of the account and will be redirected to ‘Time Clock Management’ login screen. The user will be prompted with a message “Are you sure you want to logout of the application? “, if the user selects “Confirm”, the user will be navigated to the “Login Screen”. The user’s selection of “Cancel” will redirect the user back to the Time Clock Screen.

CR 3.4 Membership

Once the user selects “Service” icon on the nav bar, the user will be navigated to the “Membership “screen as shown below.

The user shall be able to add/cancel memberships to existing customer vehicles. Once the user navigates to the “Membership” module, the system will display the list of all the customers with a “ ” symbol highlighted in yellow as shown for customers who already have a vehicle membership. Further, the user shall also be able to search existing customers.

Once the user selects the desired customer name from the list, the user will have the ability to navigate and view the selected customer information such as “Full Name”, “Contact”, “Email”, “Vehicle list” and Membership information if any. The user shall also be able to select the vehicle for which a membership is already associated and view the membership details by selecting the “View Membership” icon against the corresponding vehicle respectively.

Further, the user shall also be able to Cancel memberships by selecting “Cancel Membership” button against the respective vehicle. Once the user selects “Cancel Membership”, the system will navigate the user to a “Cancel Membership” document where the customer will be able to view the required details and confirm cancellation of the membership by selecting “I agree” checkbox below the agreement and sign their full name to confirm cancellation. Once they have completed the cancellation, the user shall be able to select “Complete” and the user shall be navigated back to the updated “Vehicle” list. The user shall be able to navigate back to the “Vehicle List” without completing the cancellation of the membership by selecting the “Back” button respectively.

Similarly, the user shall be able to sign up for monthly memberships for any of their vehicles, by selecting “Add Membership” button against the respective vehicle which does not already have an existing membership. Once the user selects “Add Membership” the system will navigate the user to a select membership screen, where the user shall be able to choose the wash membership services as setup in the “Service Setup Admin” module and any additional services that will be required for the selected car as well.

Further, the user shall be able to select “Next” to review the terms and conditions of the agreement and select “I agree” checkbox, which will display a signature textbox where the user will be required to sign after agreeing to the terms and conditions. Once the user signs the agreement, the user shall be able to select “Complete” and the user shall be navigated back to the updated “Vehicle” list. The user shall be able to navigate back to the “Vehicle List” without completing the membership agreement by selecting the “Back” button respectively. The membership payment will be deducted from the credit card registered at the customer setup module respectively.

CR 3.5 Inventory Management

All users will have access to the iPad app and the user will be required to login to the application with their “Employee ID” and password respectively. The username and password will be the same for employees across all the applications with the exception of Internal Web App. The inventory can be added from both owner app and the internal web app as well.

Upon logging into the iPad application, the user shall be able to navigate to the “Inventory Management” app by selecting the “Inventory icon” respectively. Once the user selects the icon, the system navigates the user to the “Inventory List” as shown in the mock below.

The user shall be able to view, the list of items with their corresponding images, and the user shall be able to perform the following functionalities:

1. View Item Info, Update item code and description information – The user shall be able to view the item information such as “Item Code”, “Item Description/Name”, “Quantity” etc. Once the user has updated the information, the user shall be able to select “Save” to be navigated back to the “inventory list”. If the user doesn’t want to update the information or to navigate back without saving any changes, the user shall be able to select “Back” button respectively.
2. View/Edit Supplier info – The user shall be able to view and edit Supplier information for the product such as “Supplier Name”, “Supplier Contact”, “Supplier Address”, “Supplier FAX “and “Supplier Email”. Once the user has updated the information, the user shall be able to select “Save” to be navigated back to the “inventory list”. If the user doesn’t want to update the information or to navigate back without saving any changes, the user shall be able to select “Back” button respectively.
3. Add Image/Update Image for item – The user shall be able to select the “Image” or the “Image icon” against the item and select “Browse from Pictures” option or “Take Picture Option” respectively. Once the user selects “Browse from Pictures” option, the system will navigate the user to “Pictures” module for the user to upload a relevant picture for the item selected respectively. Further, if the user wishes to add an icon in place of a picture, the user shall be able to select “Apply Icon” option, and the system will display a selected number of icons for the

user to choose from. The item does not mandatorily require an image to be associated to it. If no image is added the system will display an image place holder icon indicating that the user shall be able to add an image by selecting the same.

4. Update Quantity of items – The user shall be able to select an item from the list and double tap on the required items quantity information field to make it editable and update the total amount of items available and select outside the quantity field to save the information respectively.
5. Add/Remove item quantity from inventory – This will be indicated by “+” and “- “icon respectively and the user shall be able to choose “+” to add one item quantity, and “- “to remove one item quantity respectively. Once the user selects “- “the system will remove one from the total quantity and when the user selects “+” the system will add one to the total quantity respectively.
6. Add New Item – The user shall be able to select the “ “icon to add a new item to the list. Once the user selects the “Add New Item” icon, the system will display a modal window with the following fields for the user to input:
    a. Item Description
    b. Item Image
    c. Item Quantity
    d. Supplier Name
    e. Supplier Email
    f. Supplier Address
    g. Supplier Contact
    h. Supplier Fax
    i. Date/Time Stamp
    j. Employee Name/ ID who added the item
7. Delete Item - The user shall be able to select the “ “icon to remove an item from the list. Once the user selects the “Delete Item” icon, the system will display a modal window with a warning message “Are you sure you want to delete the selected item from the list?” with “Confirm” and “Cancel” buttons for the user to select. Once the user selects “Confirm” the system will remove the item from the list, but the item will still be available in the database with the user details and timestamp of the person who deleted the item and the time at which the item was deleted respectively.
8. Request items from supplier with Quantity – Each item in the item list will have a “Request” button below the image, this functionality will only be available for “Managers”, “Owners” and “Admin” users. Once the user selects “Request”, the system will display a modal window with a quantity textbox which will accept only numeric values and is mandatory field, requesting the user to input the quantity of the item requested. Once the user inputs the total quantity required and when the user selects “Place Request” button from the modal window, an automated email will be sent to the supplier setup for the corresponding item and the user shall be navigated back to the “Item List” module. If the user selects “Request” again, the system will display a validation message to the user “Are you sure you want to request this item again? A

request was placed for this current store location on “Date/Time” and Quantity of the item was requested” message will display. Once the user selects “Confirm” the system will display a modal window requesting the quantity of the item to be requested.

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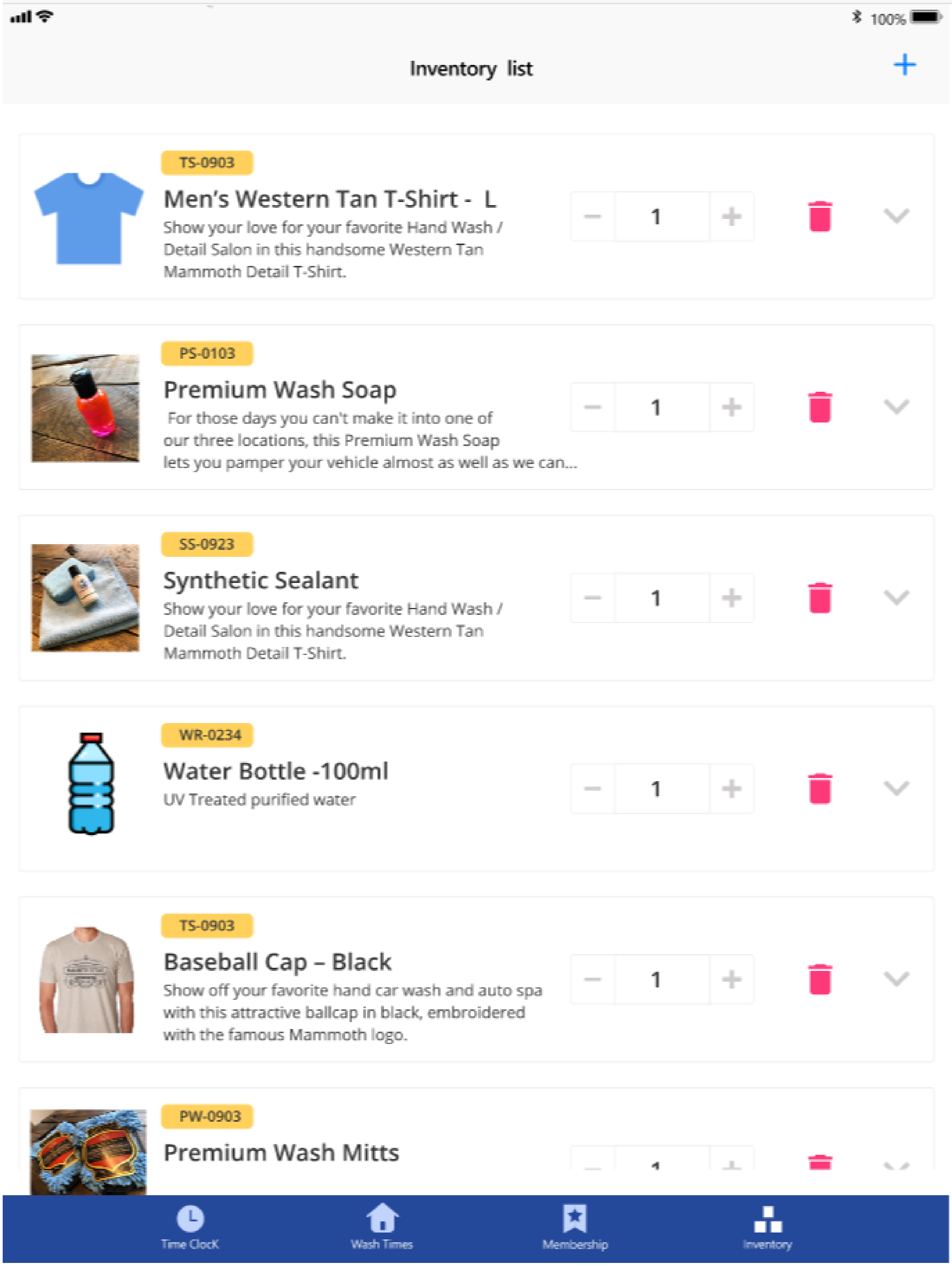
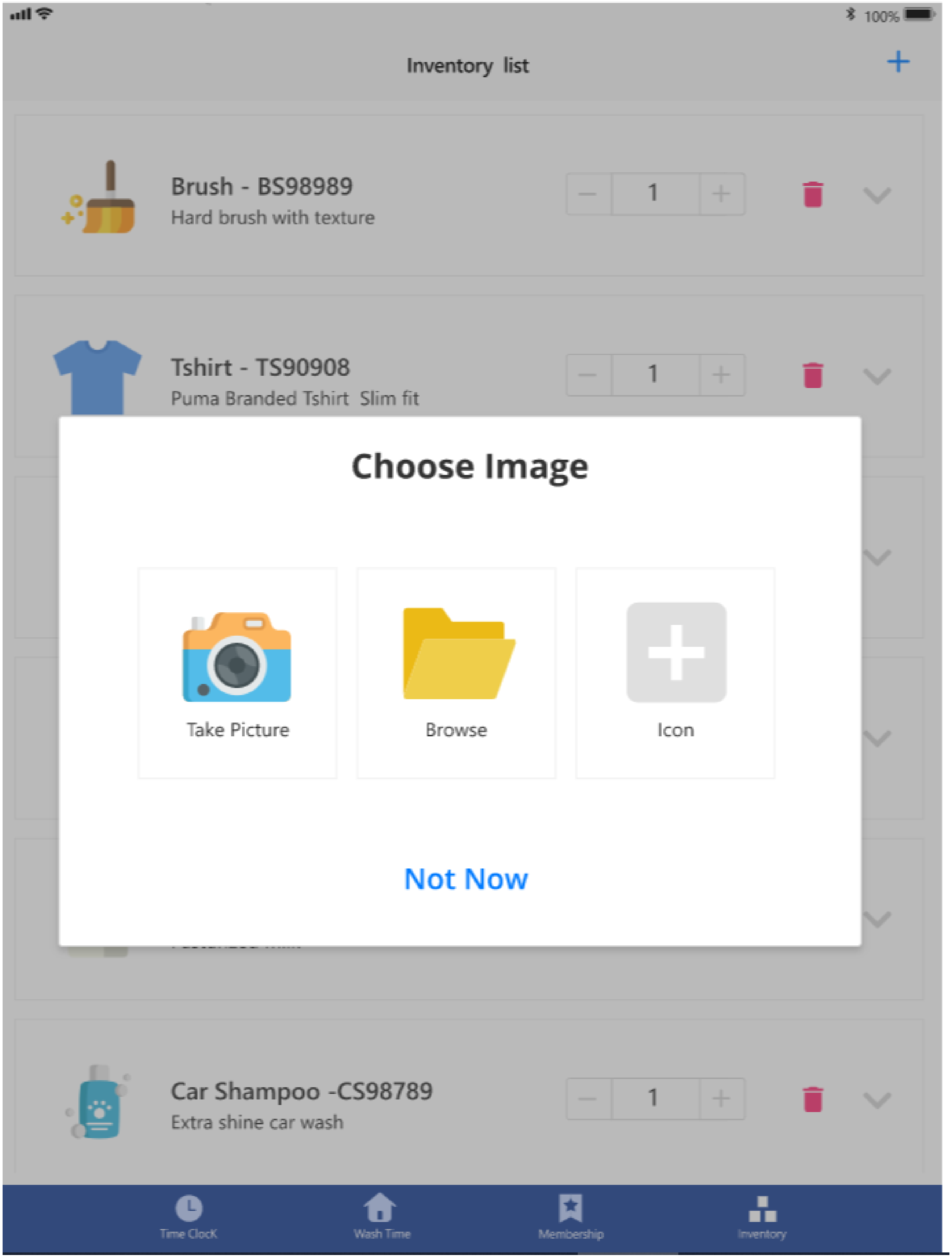
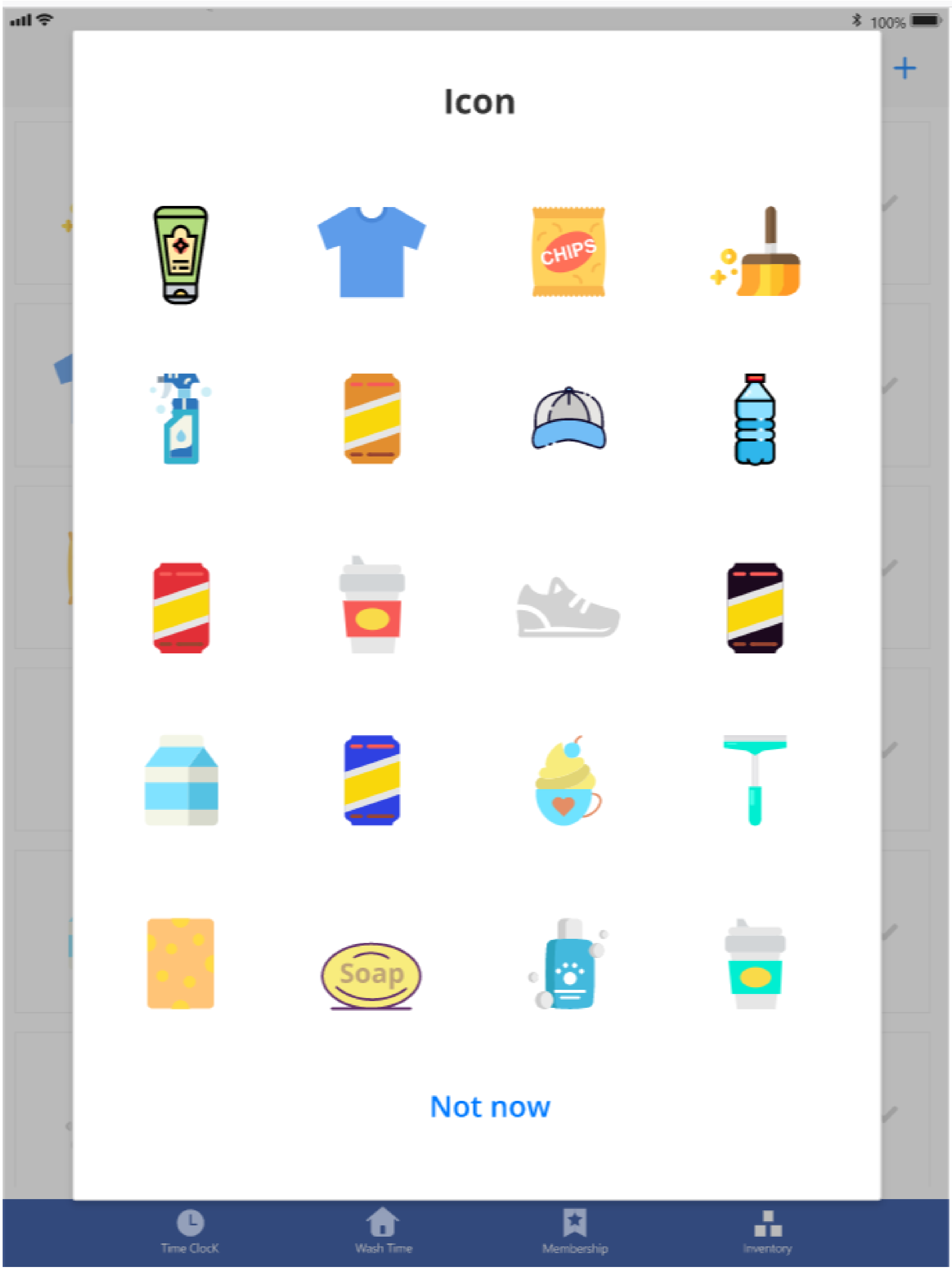
STRIVE




100%
Inventory list
Brush - BS98989
Hard brush with texture
1
Tshirt - TS90908
Puma Branded Tshirt Slim fit
1
Choose Image
Take Picture
Browse
Icon
Not Now
Car Shampoo -CS98789
Extra shine car wash
1
Time ClocK
Wash Time
Membership
Inventory


100%
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Not now
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Wash Time
Membership
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telliant
Intelligent Software. Delivered.

STRIVE

100%

Inventory list

+

TS-0903

Men’s Western Tan T-Shirt - L

Show your love for your favorite Hand Wash / Detail Salon in this handsome Western Tan Mammoth Detail T-Shirt.

1

Supplier

Name : John Rambo

Contact : +1-202-555-0129

FAX : +1-202-555-0129

Address : Pine Grove Township, PA 17963

Email : John Rambo@gmail.com

Request

Click Here to edit the Item

WR-0234

Water Bottle -100ml

UV Treated purified water

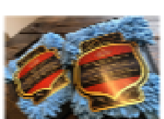
1

TS-0903

Baseball Cap – Black

Show off your favorite hand car wash and auto spa with this attractive ballcap in black, embroidered with the famous Mammoth logo.

1



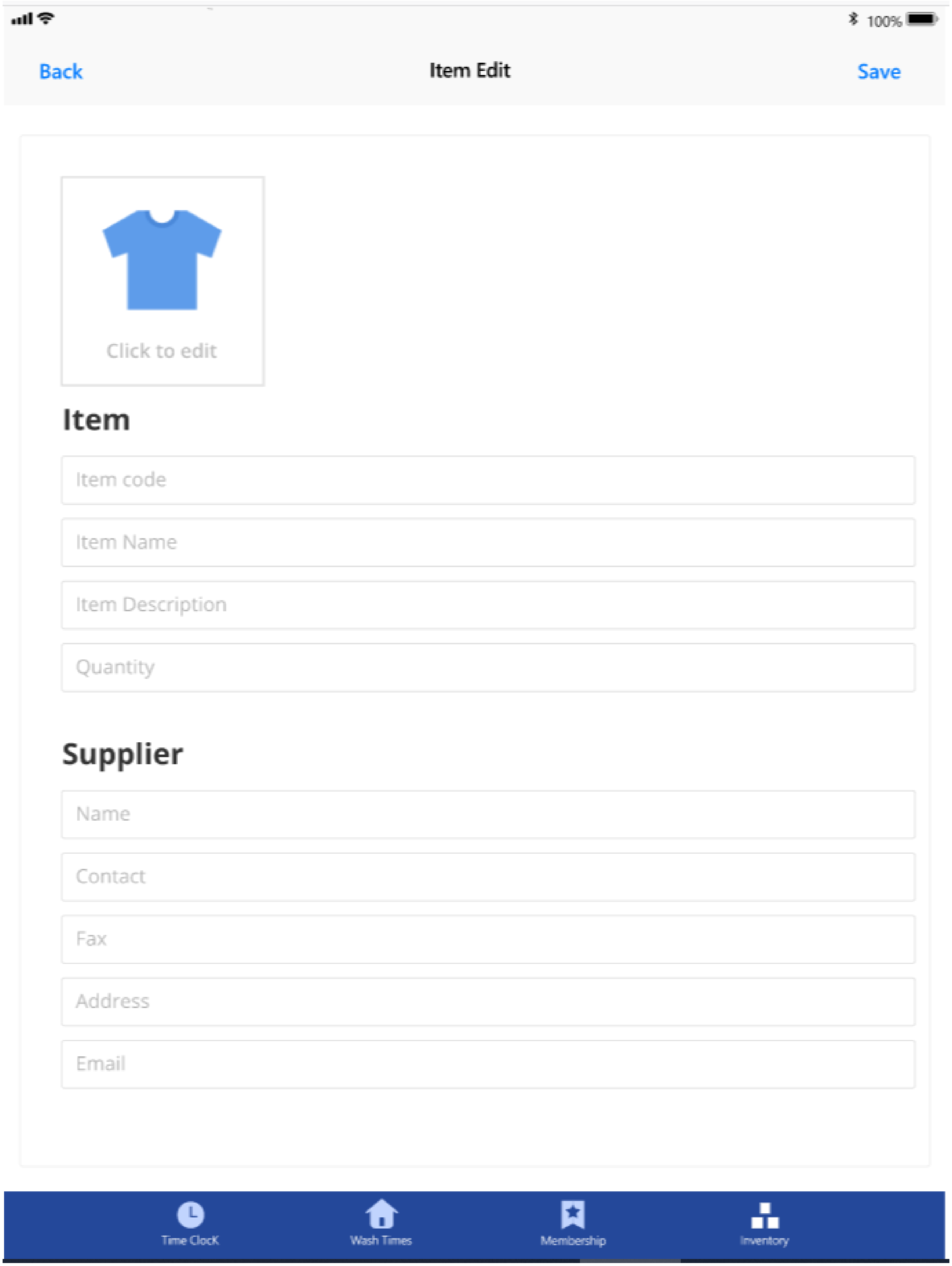
PW-0903

Premium Wash Mitts

Show your love for your favorite Hand Wash /

1

Time Clock | Wash Times | Membership | Inventory


100%
Back
Item Edit
Save
Click to edit
Item
Item code
Item Name
Item Description
Quantity
Supplier
Name
Contact
Fax
Address
Email
Time Clock
Wash Times
Membership
Inventory

CR 4 Assumptions

1. This application being designed for Phase 1 will only be for Mammoth Car Wash and related car wash businesses, for other Nail Salons, Restaurants and Hair Salons, this feature will be included for Phase 2.
2. The actual representation of the mocks will vary from the FRS. The wireframes are just a representation of how the application will function, the look and feel of the application to be designed will be in accordance with design standards.
3. Converge integration will be done.
4. Mobile Unit to be built for Phase 2
5. Services can be updated/extended using the “Admin – Setup Services” Module.
6. Digital Gift Cards can be created and sent in the “Admin – Gift Cards” Module.