**Consumer user requirements:**

Consumer user details include:

* Personal Detail.
* Contact Detail.
* His/her Task Detail.
* Login Detail.
* Gender
* Type of User

Consumer User is able to view his/ her detail and other user detail.

Personal Detail: Including Display Name and Avatar

* Consumer user can change display name. In the first time his/ her login, display name of user is null and his/her is able to set it in user profile .After that, his/ her is able to change it by the same way. The display name is only imported from Latin or ASCII Characters.
* Consumer user is able to change and set avatar. In the first time his/ her login, or if consumer user do not want to set his/ her avatar, the avatar is default, his/ her is able to set and change it in user profile. The avatar could be imported from image in his/her cell phone or capture by camera. It is depending on consumer user intention.

Contact Detail: Email. That is email which user has registered when sign up.

Login Detail: Allow user to change their password.

Gender: Choosing when user register, male and female user has difficult default avatar.

Type of User: Default type of user is consumer user, he /she is able to change his/ her type user to business admin by sending a request to server and pay cash for it.

Contact: A list of user .User can add some other users to this list to easy to send message with them. User enters a name in text box and some simulation display name is displayed. User chose one to add to this list.

Message and Notification:

* View Message :
* User can see the Notification icon on the home screen. It must be easy to find out it with an envelope symbol. The special here is that display a number of Notifications in the right corner envelope icon with red color. This color is highlighting that user sees first look. The number here is total of new Notifications that user didn’t read before. When user touches to the Notification icon, a drop list will appear with other contents like: “You have a message from Alex”; “Laura has removed from the ABC task”, “Long added you to Project 1’.
* With one kind of Notification has one small separate symbol in the first sentence of Notification. When user read a Notification then the Notification is deleted, user cannot see it again. And the number will be reduced in the envelope icon. Example: The number of Notifications is 100. When you touched a Notification: “You have a message from Alex” as you read. User chooses other function and user sees the number of Notifications is reduced from 100 to 99. And user touches in envelope icon, this notification is disappeared in the drop list. The Notification is deleted”.
* When user touches in message Notification, a message screen display contains 4 parts: name of sender, received message content, reply message content and send button. User types contents to answer the sender and touch reply button. The message is sent.
* Send Message :
* Business admin chooses Project Member function. A member list is displayed. He/she touch in user avatar and drop list will appear with send function and delete function. Choose send function and a send screen open. The send screen contains one function is that user send the message to the user that chose to send before.
* Consumer user is able to send message in Contact screen, he/she touch in user avatar to chose send message function like business admin
* Business admin is able to send message from Contact too.

Task Detail: Including all task which consumer user is assigned, he/she is able to jump to edit task from task detail.

Login:

* Have 2 text fields: Email & Password and 2 button Login & Register
* User must be entering the email & password that registered before.
* User touches login button to access the home screen.
* User touches register button to access Register screen.

Logout: After user login to access the application. User can touch to user symbol in the top of the right corner on home screen. Touch this and drop list display, and choose “logout” and user account get out of application control access.

Registration: Have 3 textbox fields and 1 drop list and 1 button: Email, Password, Confirm Password, Gender and Submit button.

Email textbox field: User enters a standard email.

Password textbox field:

Passwords must contain Latin and ASCII characters

Base 10 digits (0 through 9). No alphanumeric characters: ~! @#$%^&\*\_-+=`|\(){}[]:;"'<>,.?/. Password length is more than 6 characters. Uppercase or lowercase.

Confirm password field: the password is the same with the first pass in password textbox field.

Gender drop list: Gender must choose one of two: Male or female

If user inputs wrong that rules, application request user enter information again until to true rules.

When user enter full information like Email, Pass, Gender touch Submit button. Application will send a confirm message to the user email that entered before.

Project: Consumer user is able to create new projects management and able to delete them. Consumer user could be added to a project by business admin user.

State: Default state is To Do, Doing, Done. Consumer user is able to add new states including name of state and able to edit name of state in State Board Setting screen.

Task:

* Add new task : Consumer user is able to add new task including :
* Name of task: Only imported from Latin and ASCII character. Name of task could be blank.
* Start Date: User set a start date by choosing a date in calendar. Start Date could be blank.
* Due Date: User set a start date by choosing a date in calendar. Due Date could not be blank
* Description: Default description is blank; a task has or has not description depending on user intention.
* Consumer user is able to view task of him/her or other member added to project in task screen, and consumer user is able to edit/update his/her task including:
* Name of Task
* Start Date
* Due Date: Displaying of Due Date would be change. In normal case (remaining along of time until due date) due date is white color, if remaining 24 hours until sue date, it change color into yellow, if due date, it is red color.
* Description
* Move Task: user is able to move task from state to other state by drag/drop a task to other state place.
* Delete Task: consumer user can delete tasks which created by himself/herself. When user deletes a task, a warning message box will be display. After deleting a task, all information of that task will be deletes.
* Comment: After creating a task, consumer user is able to comment in a task by touching comment icon in tasks screen. After touching comment icon, a list of all comment of all users has displayed, consumer user can view all of them, write comment in text box and submit it. After submitting, all other user can see it.

**Business admin requirements**

Consumer user details include:

* Personal Detail.
* Contact Detail.
* His/her Task Detail.
* Login Detail.
* Gender
* Type of User

Type of business user could not be change to consumer user.

Business admin is able to view his/ her detail and other user detail like consumer user.

Project: Business user is able to add other user to his/her project management and manage them in his/her project.

* Adding a member: Business admin can add a member to project in project member management. After chose “Add member” and enter some key words, some user with simulation display name will be displayed, business admin is able to chose one to add to project.
* Deleting a member: After adding member, with some reason (incorrect when adding, member is out of project) business admin is able to remove them in project management.
* Business admin touch in avatar of the user he/she want to remove, and chose remove from project. If user added to project and assigned tasks, when business admin remove them from project, all assigned tasks of them in that project will be disappear, and in task screen, assigned user list will not display them anymore.

State: Default state is To Do, Doing, Done. Business admin is able to add new states including name of state and able to edit name of state in State Board Setting screen like consumer user.

Task: Business admin is able to view, edit task, move, delete and comment task like consumer user. In addition he/she is able to assign members to a task.

* Assign member: In adding task screen, assigning member could be blank or not, business admin is able to edit it in edit screen. All of user added to project will be displayed in assigning screen, business admin will check in a member to assign a member to a task.
* Remover member: Business admin is able to remove member from a task. He/she will un-check in a user that checked before to remove a user from a task.

Business admin is able to comment in a task view and send message, notification like consumer user.