Balifood Main Biz Logic:

1 Scope of document

This document comes to depicts the major business logic of the application and admin panel. It does not pretend to cover all cases and usage possibilities but only the most common and trivial usage.

The audience of this document is R&D teams and QA teams so everyone will be aligned.

2 What this document is not

This document is neither R&D plan nor QA plan.

The division to sprints is derived from R&D plan but it might not be aligned to changes from now further.

3 Final Mobile App designs:

https://drive.google.com/drive/folders/15Y-S0UJOwxqfwk-C-UwvuHG4_kIIHq-S?usp=sharing

4 Sprint 1 - Mobile App (IOS and Android)

4.1 My Recipe (on Nav Bar)

4.1.1 My Recipe main screen - Categories view

- 1. My Recipe main screen (categories) show all categories (toggle list/tiles view): sorted by number of recipes, attached to it
- 2. Create new recipe from this screen:
 - a. Click on top right button: choose Create New recipe with designated Form
 - Mandatory fields: all fields (including Major Photo) except additional Images ad Video
 - c. User could choose more than One category the recipe is attached to
 - d. When user clicks Save: user got back to My Recipe Main screen (categories list it is the previous screen)
 - e. Counters are updated for all categories this recipe attached to

f. A click on a category will lead to Category screen where all recipes for this category is shown - <u>sorted by Alphabet order</u>

4.1.2 Category Screen - shows recipes for specific category

- 1. Category screen show all recipes (toggle list/tiles view): sorted by alphabet order
- 2. Create new recipe from this screen Same button and options as the button in Main My Recipe Screen:
 - a. Click on top right button: choose Create New recipe with designated Form
 - Mandatory fields: all fields (including Major Photo) except additional Images ad Video
 - c. The field category is filled by default value this category, user can change / add categories for this field
 - d. User could choose more than One category the recipe is attached to
 - e. When user clicks Save: user got back to category screen (previous screen)
 - f. Counters are updated for all categories this recipe attached to

4.1.3 View / Edit / Delete Recipe

Main Recipe Screen - > Category Screen - > View Recipe Screen

- 1. User got to specific category in My Recipe Main screen (Categories screen)
- 2. User click on a recipe
- 3. The View recipe screen is shown with all recipe's details
 - a. Top right should be Edit button
 - User clicks in Edit button the screen is opened to be editable all fields should be editable
 - i. Top right: Save button \rightarrow click on it shows a pop up for approval:
 - click on yes: goes back to view recipe with new information updated
 - 2. Click on no: goes back to view recipe
 - ii. Top left: Cancel button → click on it shows a pop up for approval, click on approval and user get back to recipe view mode
 - 1. Click on yes: go back view recipe
 - 2. Click on no: stays on the edit recipe screen

4.2 Home Screen / Feed Screen

This screen shows post that explicitly posted by a user - for Private account - only friends will see user's posts, for non private account - all users will see user's posts

User can explicitly post only via buttons available on this screen:

- 1. Top right post from My Recipe
- 2. Top left post a picture + option to attach a recipe from My Recipe

4.2.1 Structure of a Post a Recipe (click on post from My Recipes)

- Photo to show: main photo of the recipe
- Number of likes and number of views (bottom left and bottom right)
- Share post button: share the post on FB
- Comment line to feed a comment
- See Details button: click on it shows the recipe in the exact format of View Recipe screen
- Add to My Recipe button: click on it SAVE the recipe to my recipes, in that case all
 categories are saved as well the user could see the added recipe in these categories
 (when click on them in categories screen) and also on Saved Recipes Category

4.2.2 Structure of a Post of Photo without Recipe (click on camera button on feed)

- Photo to show: photo captured by camera
- Number of likes and number of views (bottom left and bottom right)
- Share post button: share the post on FB
- Comment line to feed a comment
- See Details button: this button should **not** be shown
- Add to My Recipe button: this button should **not** be shown

4.2.3 Structure of a Post a Photo + Recipe (click on camera button on feed)

- Photo to show: photo captured by camera
- Number of likes and number of views (bottom left and bottom right)
- Share post button: share the post on FB
- Comment line to feed a comment
- See Details button: click on it shows the recipe in the exact format of View Recipe screen
- Add to My Recipe button: click on it SAVE the recipe to my recipes, in that case all
 categories are saved as well the user could see the added recipe in these categories
 (when click on them in categories screen) and also on Saved Recipes Category

4.2.4 Comment to a post:

Creator is the only one that see all comments on its post Commenter sees only its comments in a post

4.2.5 Post a Recipe

- User clicks on the top right button (post from My recipes)
- User got to Categories Screen (Main My Recipes screen)
- User clicks a category -> got to the Category Screen where all recipes for this category are shown
- User clicks on recipe -> pop up to confirm this recipe to be posted
- Click on OK recipe is posted, to be shown on feed for all users in app (in case not a private account) or only my friends (in case a private account)

4.2.6 Post from Camera

- User clicks on camera button, top left on feed screen
- User get to the camera / gallery: capture a photo from camera / select a picture from gallery
- After selecting a photo from gallery / capturing from camera: user got to a screen that previews its post with the option (button) to attach this post a recipe from My recipe:
- If User click to attach a recipe: got to My Recipes main screen to browse for one recipe to attach
- User clicks on Post button to post → pop up to confirm this recipe to be posted
- Click on OK recipe is posted, to be shown on feed for all users in app (in case not a private account) or only my friends (in case a private account)

4.2.7 Search bar on Feed screen

User feeds text: posts that contains these text are filtered.

4.3 Login with FB

User should be able to login with FB

4.4 Signup + Login with Email

- User should be able to sign up + login with email and password
- After signing up: user is logged in (no need to require additional login action)
- Closing the app does **not** log the user out

4.5 Setting Screen

4.5.1 Private Account

• Sprint 1: Public account only supported, meaning all users in app sees posts

4.5.2 Contact Us:

User should be able to send a message to Admin via App

4.5.3 FAQ

User should be able to FAQ

5 Sprint 1 - Admin Panel

5.1 User Management

- Admin will be able to activate / deactivate user account.
- Admin will be able to delete a user from the app: protected by password, every delete
 action should be protected by a pop up for confirmation

5.2 Recipes Management

- Admin will be able to view all recipes in system by users, by categories
- Admin could map a set of recipes to be mapped to one or more categories globally in the system
- Admin will be able to edit any recipe in system
- Admin will be able to add recipe globally available to all users in the system
- Admin will be able to add recipe to one or more categories this recipe will be available for all users in the system

- Admin will be able to delete recipe globally from the system, meaning that this recipe won't be available to any user in system
- Admin will be able to add recipe to specific user in the system
- Admin will be able to delete a recipe for a given user, meaning that this user won't see this recipe in My Recipe section in its account
- Admin will be able to add a recipe to a user or list of users: for more than one category
- Admin will be able to POST a recipe to all users / set of users in the app
- Admin will be able to see all POSTs in system
- Admin will be able to delete a POTS's comment
- Admin will be able to delete a POST from the system

5.2.1 Categories Management

- Admin will be to add new category
- Admin will be able to rename a category
- Admin will be able to delete a category this action should be protected first by password and let admin delete only category that does not have any recipe mapped to it in the system

6 Sprint 2 - Mobile App (IOS and Android)

6.1 Events (Main Event Screen)

- List of events previews
- In case no event is scheduled for today: the tabs Past and Upcoming to be shown at the top of the screen, just below the title
- In case there is an event scheduled for today: this event to be shown just below the title, below it show the tabs Past and Upcoming

My Event Type - Menu Items fields

- Item Name Mandatory
- Type Mandatory
- View Recipe Link: Not mandatory
 - Click on it leads to My Recipes screen to browse for specific recipe

- Owner Name not to be shown
- Status not to be shown

6.2 My Event Type - Creator Creates new Event

Events(dropdown).jpg & Myevent.jpg

User clicks on "+" to create new event and choose My Event option

- Name Mandatory
- Date Mandatory
- Time Mandatory
- Location Mandatory
- Create Menu **Optional**,
 - User does not click on Create Menu in this case Menu is created and is empty
 - o User clicks on Create Menu: leads to the screen

Add-menu-when-details-filled.jpg

- User clicks on "Add New Item" A new screen add-menu-items.jpg,
 - User to fill data.
 - Click Save goes back to previous screen, new added item is last in list
- User could Edit / Delete a menu item
- User clicks on "Add Menu From Event" A new screen shown with list of all events this user created
 - A click on a specific event shows get-events-menu.jpg
 - A click on Get button: all items from this menu added to the Menu of new event
- Add members Optional,
 - User does not click on Add Members in this case Member list is created and is empty
 - User clicks on Add Members a new screen

get-add-members(event-members-tab).jpg is shown

- Tab Friends: get-add-members(friends-tab).jpg, click on Add button add all selected friends and moves back to previous screen. All members from this event shown as selected in the Friends Tab in Add Member screen
- Tab Event Members: **get-add-members(event-members-tab).jp**g -
 - Shows all events I created or I a member of it
 - Click on a specific event shows get-event-members(final).jpg
 screen that shows the members list of this event
 - Any member that is not the user's friend the user can click on Invite to ask for friendship, it won't be marked as selected
 - All Members that are user's friend will be marked as selected

- User could edit the selected list deselect / re-select
- Create Group button text should be "Add Members" click "add button" adds the complete list of members to new event
 - All of these members will be marked as selected in the Friends tab
 - Get back to previous screen
- All added members currently appears as not confirmed status
- Click Save:
 - Save the event in UpComing event
 - Fire a notification to all events members
- **Notifications** for this event:
 - Upon creator clicks on Save event: members in list get the notification in notification screen
 - Event member confirm / reject the invitation
 - A member gets the notification: click on the notification shows the user the event information: Creator, Time, Date, Place, description
 - Event member confirmed:
 - Creator:
 - Gets a notification to event creator "Name" confirmed arrival Event "Date and Time".
 - In event view the member status confirmed.
 - Member:
 - In event view Event is added to the user's event list (Upcoming event)
 - Event member rejected: A reject action should be approved before sending
 - Creator:
 - Gets a notification to event creator "Name" confirmed arrival Event "Date and Time".
 - In event view the member status rejected, creator could remove it from list.
 - Member:
 - In event view Event is NOT added to the user's event list (Upcoming event)
 - A reject action should be approved
- Members Event screen: the confirmed event added to upcoming events. Rejected event should not be shown in upcoming event

6.3 My Event Type - Creator Edits Event

User is in Event View screen

- Click on Edit
- User get to a screen similar to Create event to be able edit field., Text on button of Create Menu should be Edit Menu. Text on button Add members should be changed to edit members.
- Click on Edit Menu shows Add-menu-when-details-filled.jpg
 - Same actions as with Create new Event
 - User could add new items to menu
 - User could delete item from the menu.
 - User could edit item in the menu
 - User could add a complete menu from other event it created (get-events-menu.jpg)
- Click on Edit members button: same flow as when event created, but with already all added members shown as selected in the friends tab.
 - Same action is with Created New Event is available
- Click Save:
 - Fire a notification to all events members
- Notifications for this event:
 - Added Members: Same as with New event for member list
 - Removed Members: the member get an Event Canceled notification, event is removed from the member's event list (Upcoming events)

6.4 My Event Type - Creator Deletes Event

Edit button changed to Save, back button changed to Cancel (Cancel edit action) At the bottom on the screen in red (button should not be big) - Delete button

- User clicks on edit event, then clicks on Delete event (the edit button is changed to Delete button) an approval pop up is shown.
- User approved
- Notifications: Event members get a notification: event cancelled
- Event is removed from My event: for creator and event members

6.5 Mutual Event Type - Menu Items fields

- Item Name Mandatory
- Type Mandatory
- View Recipe Link: Not Mandatory
 - Click on it leads to My Recipes screen to browse for specific recipe
- Owner Name different from My Event Type
 - Not Mandatory
 - Values: from the list of event members including the event creator

- Status different from My Event Type
 - Not mandatory
 - Values:
 - If owner assigned: Pending, Confirmed, Rejected
 - Default: Pending
 - If owner not assigned: Blank.

6.6 Mutual Event Type - What To Bring Fields

- What To Bring: free text
- Owner
 - Not Mandatory
 - Values: from the list of event members including the event creator
- Status
 - Not mandatory
 - Values:
 - If owner assigned: Pending, Confirmed, Rejected
 - Default: Pending
 - If owner not assigned: Blank

6.7 Mutual Event Type - Creator Creates new Event

Events(dropdown).jpg & MutualEvent.jpg

User clicks on "+" to create new event and choose Mutual Event option

- Create Menu Same as with My Event Type with the following additions
 - For every item in menu Creator could
 - Assign an owner from the member list including itself
 - Change the status value from Pending to Confirmed and vice versa
 - In case the Owner is the creator, status should be set automatically to confirmed.
- Add members - Same as with My Event Type
- Create What To Bring List Optional
 - User does not click on What To Bring List in this case What To Bring List is created and is empty
 - User clicks on What To Bring List: leads to the screen what2bring(filled-details).jpg
 - User clicks on "Add New Item" A new screen what-to-bring-add details.jpg,
 - For every item in List Creator could
 - Assign an owner from the member list including itself
 - Change the status value from Pending to Confirmed and vice versa

- In case the Owner is the creator, status should be set automatically to confirmed.
- Click Save goes back to previous screen, new added item is last in list
- User could Edit / Delete a menu item
- User clicks on "Add What To Bring List From Event" A new screen shown with list of all events this user created
 - A click on a specific event shows get-what-to-bring.jpg
 - A click on Get button: all items from this List added to the List of new event

Notifications

- All notifications from My Event Type are the same
- Menu Item / What To Bring Assigned notifications (two different notifications):
 - Every member assigned to it item on Menu or What To Bring List a notification that asks the user to confirm: a click on the notification will lead the user to all of its assigned items screen
- Members Event screen: Same as with My Event Type

6.8 Mutual Event Type - Creator Edits Event

- User is in Event View screen
- Click on Edit
- User get to a screen similar to Create event to be able edit field., Text on button of Create Menu should be Edit Menu. Text on button Add members should be changed to edit members.
- Click on Edit Menu shows Add-menu-when-details-filled.jpg
 - Same actions as with Create Mutual new Event
 - User could add new items to menu.
 - User could delete item from the menu
 - User could edit item in the menu
 - User could change owner name
 - User could add a complete menu from other event it created (get-events-menu.jpg)
- Click on Edit What To Bring shows Add-menu-when-details-filled.jpg
 - Same actions as with Create Mutual new Event
 - User could add new items to List
 - User could delete item from the List
 - User could edit item in the List
 - User could change owner name
 - User could add a complete List from other event it created (get-what-to-bring.jpg)

- Click on Edit members button: same flow as when event created, but with already all added members shown as selected in the friends tab.
 - Same action is with Created New Event is available
- Click Save:
 - Fire a notification to all events members
- Notifications for this event:
 - Added Members: Same as with New event for member list
 - Removed Members: the member get an Event Canceled notification, event is removed from the member's event list (Upcoming events)
 - Owner changed for What To Bring List changes / Menu in case user got changes with its ownership it should get a notification for that
 - Click on the notification leads to What To Bring List Items of its or Menu Items of its - based on the notification type.

6.9 Mutual Event Type - Creator Deletes Event

Same as with My Event Type

6.10 My Event Type - Member view a Future / Past / Current Event

- Future Event: Countdown timer
- Past Event: no countdown timer is shown
- Current Event: event that takes place currently, until 7 hours from start
 - Instead of Countdown timer shows Camera
 - User could click on the Camera and takes photos / videos
 - Photos / videos saved to local gallery device
 - Photos / Videos taken in this time period could be reached from Photos tab in this screen
- User could navigate to Chat to chat with all event's members
- User could navigate to Photos to see all photos taken in the event (active only when countdown timer reaches zero, meaning event started
- Details
 - Event Info, e.g. date, time, etc.
 - Member list read only, could browse left/right
- Show Menu button -
 - a click leads to a screen that shows all items.
 - o user could add a score to every items in the menu

6.11 Mutual Event Type - Member view a Future / Past / Current Event

- Same as with My Event type with the following exceptions
- Show Menu button -
 - a click leads to a screen that shows all items
 - o user could click on toggle button: show all items / Show My Items
 - o user could add a score to every items in the menu
 - Future Events Only (countdown timer is still not zero): Items the owner is assigned to be the owner - User could confirm /reject. Upon confirm/reject the Creator get a notification :item for event confirmed/rejected, a click on the notification leads to the items list of this event
- Show What To Bring button
 - o a click leads to a screen that shows all items
 - o user could click on toggle button: show all items / Show My Items
 - Future Events Only (countdown timer is still not zero): Items the owner is assigned to be the owner - User could confirm /reject. Upon confirm/reject the Creator get a notification :item for event confirmed/rejected, a click on the notification leads to the items list of this event

6.12 My Event Type - Creator view a Future / Past / Current Event

- Same as any member with the following addition
- Future event: Creator can edit the event information
 - o Name. Photo. Time. Date
 - Members: Add/remove
 - Edit Menu
- Future event: creator can delete the event

6.13 Mutual Event Type - Creator view a Future / Past / Current Event

- Same as any member with the following addition
- Future event: Creator can edit the event information
 - o Name, Photo, Time, Date
 - Members: Add/remove
 - Edit Menu
 - Edit What to Bring List

Future event: creator can delete the event

6.14 My Account

- 3 main Screen (Myaccounts(tiles-view).jpg)
 - Invite Screen
 - In this screen the user sees all contacts and FB imported which are not registered users in the App
 - Invite: action that sends an SMS via Native App on device with deep link to the app. Once the user registered to the App via this link it make them friends in the App - the user is to be shown on the Friend tab, the user gets a notification about new friend.
 - User could search for contact in list
 - Friends Screen (Friends.jpg)
 - In this screen users see all users in the app: sorted by first all users that were imported from contact list, then all users' that were imported from FB and only then all other users.
 - User can ask friendship or unfriend from any user in the App
 - When user click on Add Friend: a notification is sent to the recipient for new friend request.
 - When Recipient accept / decline a friend request: the user get notification about that
 - User could search for any other user in list
 - Post (Mypost(tiles-view).jpg)
 - This screen shows all post posted by the user
 - These post are also shown on the My Account main screen below the User's name line.

6.15 Setting screen

- Private account
 - Enabled: posts only to my friends
 - Disabled: posts to all users in app
- Language:
 - English
 - Hebrew Right to left language
- Notification setting: enable / disable every notification type
- Import from FB:
 - Import to the app all my friends from FB

- If a FB friend already registered user then show it on Friends Screen (on My account)
- If a FB friend is registered user then show it on Invite Screen (on My account)
- Import to the app all my Contacts
 - If a contact already registered user then show it on Friends Screen (on My account)
 - If a contact is registered user then show it on Invite Screen (on My account)
- Recommend Balifood:
 - Post a recommendation of FB, with link to the App
- Contact Us: user can send a message to the admin

6.16 Import Recipe from URL

- The user feeds a url to a web page that depicts a recipe.
- This recipe is created automatically in the App according the Balifood's creates recipe form
- The user should see the form already with all data in it (including photo)
- The user could edit the data
- In this case only the name field and category are mandatory fields
- The user could Save or Cancel
- The user save the recipe: recipe is to be shown in all categories it mapped to.

6.17 Import recipe from Android Notes App

- The user clicks on the Import from Notes on android device
- The user got the Notes App opened
- The user choose a note to port
- A create new recipe form opened
- The application automatically copies the entire note to the Instruction section of the form
- The user can edit the form
- In this case only the name field and category are mandatory fields
- The user could Save or Cancel
- The user save the recipe: recipe is to be shown in all categories it mapped to.

6.18 Import recipe from IOS Notes App

- The user launches the IOS Notes App on IOS device
- The user choose a note and click the Share button in the Notes App
- The user see Balifood app in the app to share with
- The user choose Balifood App
- The user choose a note to port
- The Balifood app is launched / get Active
- The application automatically copies the entire note to the Instruction section of the form
- The user can edit the form
- In this case only the name field and category are mandatory fields
- The user could Save or Cancel
- The user save the recipe: recipe is to be shown in all categories it mapped to.

6.19 Import recipe from Galley

- The user clicks on the Import from Gallery
- Galley is opened
- User choose one photo
- The Create new recipe form is opened with this photo as the main photo of the recipe
- In this case only the name field and category are mandatory fields
- The user could Save or Cancel
- The user save the recipe: recipe is to be shown in all categories it mapped to.

6.20 Create Recipe from Camera

- The user clicks on the Import from Camera
- Camera is opened
- User takes a photo
- The Create new recipe form is opened with this photo as the main photo of the recipe
- In this case only the name field and category are mandatory fields
- The user could Save or Cancel
- The user save the recipe: recipe is to be shown in all categories it mapped to.

6.21 What's in the Fridge

An advanced search options in the My recipe Main Screen

The user feeds to search line free text

The results of the search are all recipes that contains these words in the Ingredients section. The results are sorted from recipes that contains only these ingredients and all of them (without any other ingredients), then show recipes that contains only part these ingredients (without any other ingredients), then show recipes that contains part of the searched ingredients with the minimum other ingredients and so on.