

COMP2213 - Interaction Design

Deliverable 3

Design Concept One

Group 25

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Type of Interface

To solve the problem posed by our problem statement one of the selected interfaces is a calendar like application. This type of application reduces all of the task that need to be shared to planned activities that fit into a calendar application, the users can invite the people in their flat to share an activity with them during the creation of the task. The invited user can accept or refuse. if they accept the invite it will appear at a certain time and date on the calendar interface. The elements in our interface use card metaphors for both the creation menu, the visualisation and the creation of a specific activity.



Benefits

The benefits of using this metaphor to implement the concept of sharing is that it allows for a greater level of activity planning during the day which is a feature that will not only allow the users to easily implement better and more sustainable habits but it will also allow them to do so giving them a feeling of control and positive reinforcement given by a healthy routine.

Sharing a Meal

To create the activity to share a meal the user will have to tap the bottom of the card representing the day he wants to share a meal to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Share a meal" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time.

Sharing food

To create the activity to share food the user will have to tap the bottom of the card representing the day he wants to share the food to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Share some food" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time.

Sharing an online shop

To create the activity to do an online shop the user will have to tap the bottom of the card representing the day he wants to do the shop to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Do an online shop" activity, select the people he wants to invite, write an optional description of the task that will act as a shopping list, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time. The users can then modify the description of the task to add to the list of products that they need to buy.

Sharing appliances

To create the activity to share appliances the user will have to tap the bottom of the card representing the day he wants to share the appliance to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Share an appliance" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time.

Sharing travel??

To create the activity to share travel means the user will have to tap the bottom of the card representing the day he wants to travel to open the task creation menu. In the task creation

menu he then has to select from a drop down menu the "Share a trip" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time.

Sharing near expiration date food

To create the activity to share near expiration date food the user will have to tap the bottom of the card representing the day he wants to share the food to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Share some close to expire food" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time.

Sharing cleaning duties

To create the activity to share cleaning duties the user will have to tap the bottom of the card representing the day he wants to clean to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Do a house clean" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time. All of the users can then modify the task description to decide which duties they can do.

Sharing essential house products

To create the activity to share essential house products the user will have to tap the bottom of the card representing the day he wants to share the product to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Share some home products" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time.

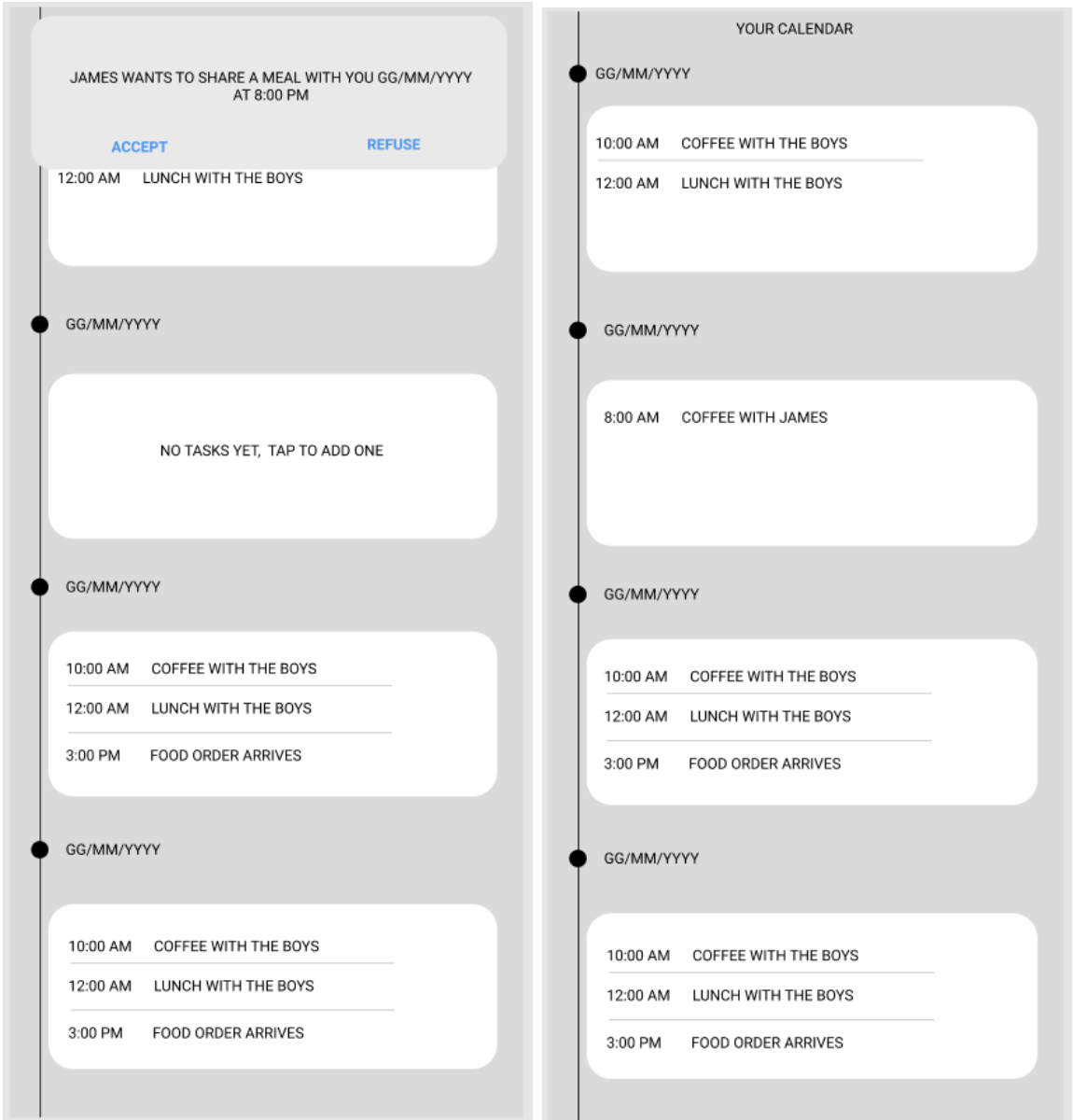
Sharing non household related products

To create the activity to share other products the user will have to tap the bottom of the card representing the day he wants to share the product to open the task creation menu. In the task creation menu he then has to select from a drop down menu the "Share something" activity, select the people he wants to invite, write an optional description of the task, select a time and press the "Create" button. Once the create button has been pressed the application will save the type of activity at the selected time and day on his calendar and send a notification to the

housemates that he selected. If housemates that receive the notification decide to accept the task the task will be added to their calendar at the selected day and time.

Drawbacks

While this type of interface shines at allowing people to define medium to long term tasks the creation of short term or immediate tasks could become challenging and upset the user that miss activities because they didn't see the notification in time. This type of interface, to work in the most efficient way possible also needs a user that enjoys planning and setting tasks beforehand.



YOUR CALENDAR

GG/MM/YYYY

10:00 AM

COFFEE WITH THE BOYS

12:00 AM

LUNCH WITH THE BOYS

CREATE A NEW TASK

ADD A NAME FOR THE TASK

SELECT A TIME FOR THE TASK

SELECT WHO TO SHARE THIS TASK WITH

ADD A DESCRIPTION

CREATE

10:00 AM

COFFEE WITH THE BOYS

12:00 AM

LUNCH WITH THE BOYS

3:00 PM

FOOD ORDER ARRIVES

YOUR CALENDAR

GG/MM/YYYY

10:00 AM

COFFEE WITH THE BOYS

12:00 AM

LUNCH WITH THE BOYS

SELECT A TASK TYPE

SHARE A MEAL

SHARE SOME FOOD

DO AN ONLINE SHOP

SHARE AN APPLIANCE

SHARE A TRIP

SHARE SOME CLOSE TO EXPIRE FOOD

DO A HOUSE CLEAN

SHARE SOME HOME PRODUCT

SHARE SOMETHING

SELECT

10:00 AM

COFFEE WITH THE BOYS

12:00 AM

LUNCH WITH THE BOYS

3:00 PM

FOOD ORDER ARRIVES

