



Requirements

Build a mail client app. The user will be able to view his inbox and other folders, to look into a mail and to compose new mails.

This app will not work with a real server, so mails are not really sent, but the user experience will feel real.

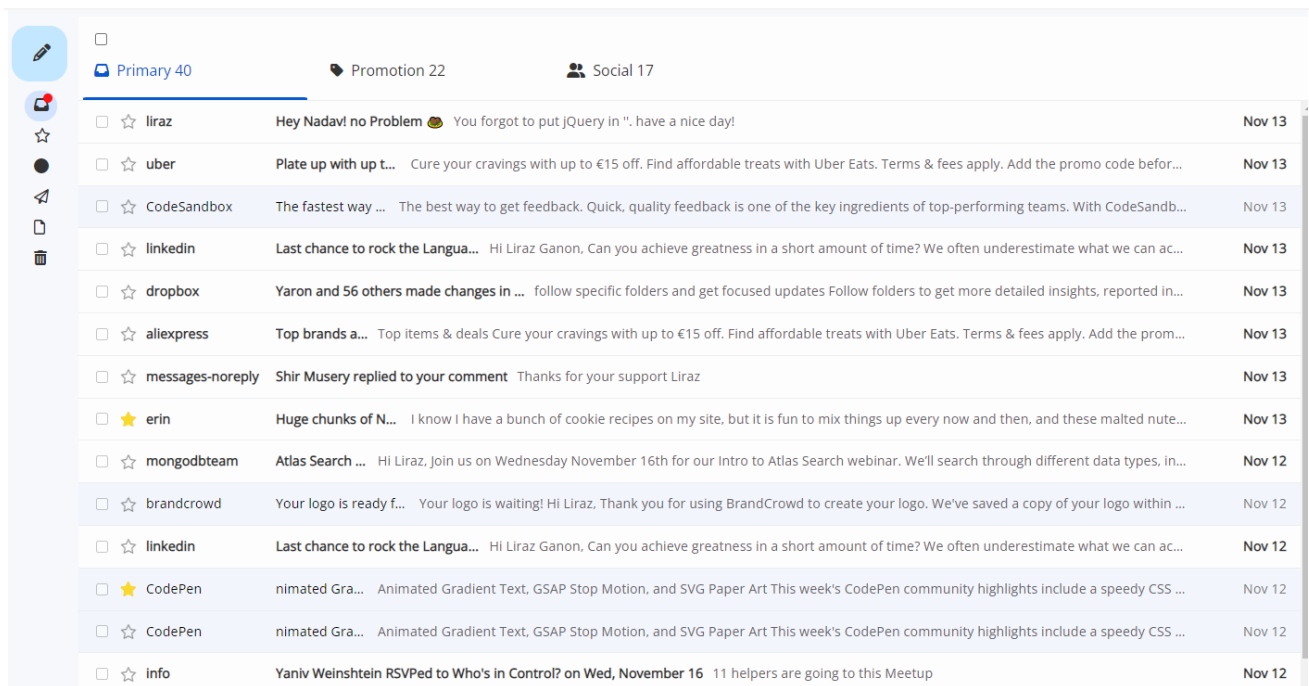
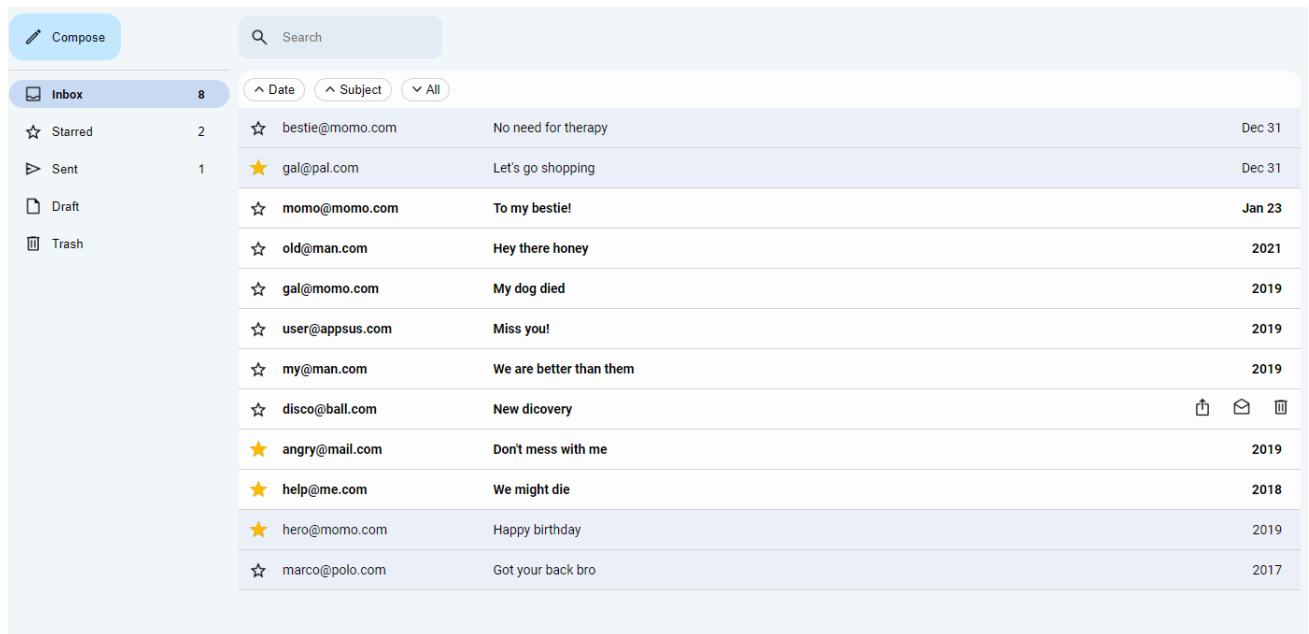
Features List

- Display a list of mails (such as inbox)
- Click on a mail-preview – opens the mail for reading
- Show a read/unread state per mail
- Display the unread mails count
- Compose – create a new mail and send it
- Allow removing a mail
- Filter mails: by search, by read/unread
- Allow sorting the mails by date and by title
- Allow viewing the *sent* mails
- Integration with KeepApp (link to edit and save a mail as a note)

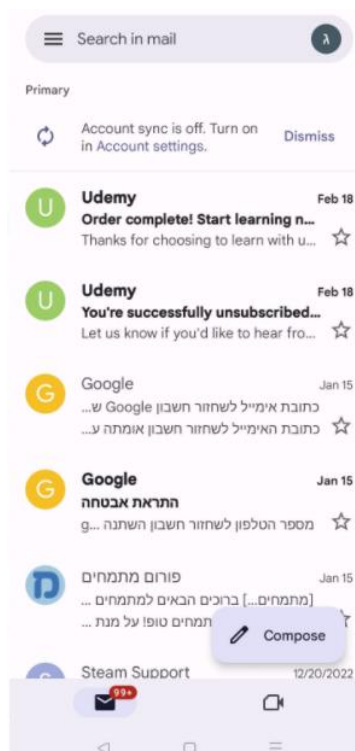
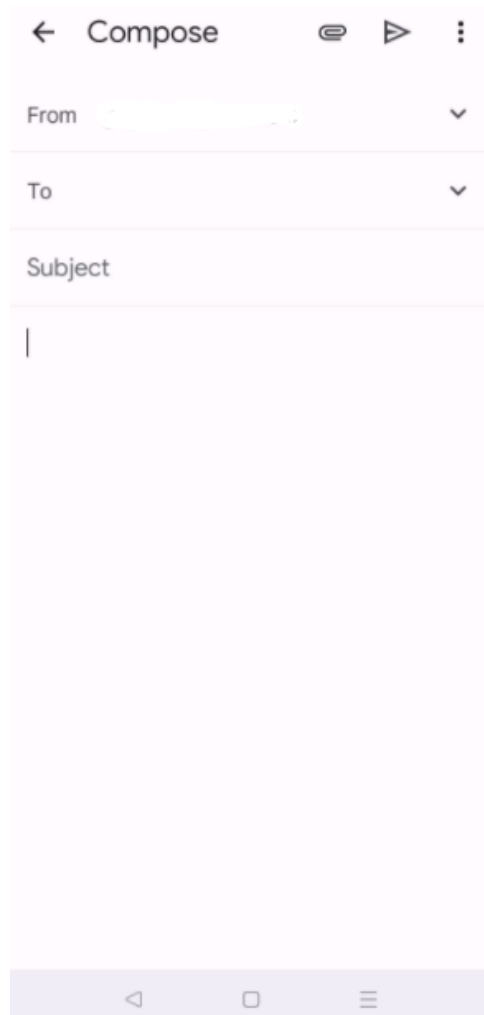
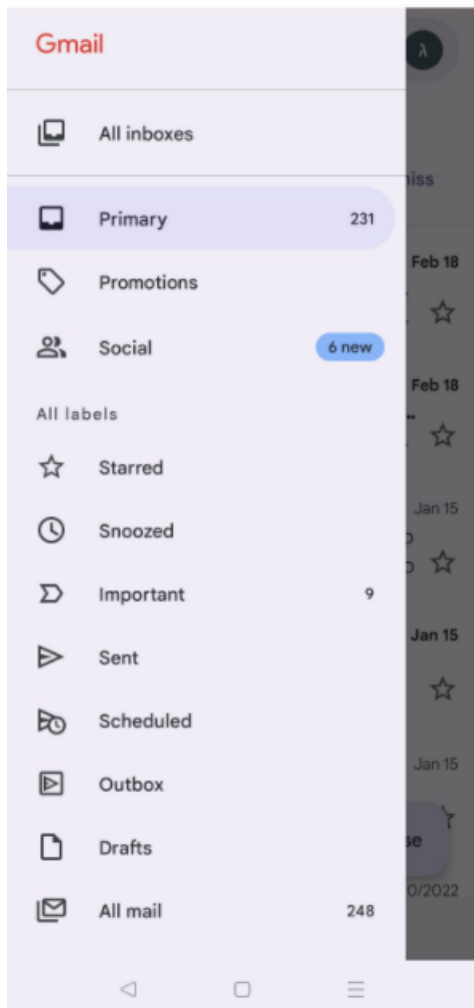
More Features

- Support *staring* a mail and allow viewing *stared* mails
- Support manually marking a mail as read/unread
- Allow more options for mails sorting
- Allow more options for mails filtering (From, Subject, Date, Has words, etc.)
- When removing a mail (e.g. from inbox) it should be displayed in the trash folder
- When removing from trash – mail is deleted from the mail list
- Add a draft folder – mail that is being composed is auto saved every 5 seconds and can be viewed in the draft folder until sent
- Support mail labeling

Initial UX



Mobile Version



Functional Design

mailService

- Model - start with a basic model of mails:

```
const mail = {
  id: 'e101',
  createdAt : 1551133930500,
  subject: 'Miss you!',
  body: 'Would love to catch up sometimes',
  isRead: false,
  sentAt : 1551133930594,
  removedAt : null,
  from: 'momo@momo.com',
  to: 'user@appsus.com'
}
```

Also, in your mail service have a basic user:

```
const loggedInUser = {
  email: 'user@appsus.com',
  fullname: 'Mahatma Appsus'
}
```

Note: this user is hard coded and there is no need to build a login system.

In the **inbox** show all the mails that were sent to the current user, the other mails are **sent** mails and should be displayed at the **sent** folder

The mailService query function should get a filterBy object, here is an idea:

```
const filterBy = {
  status: 'inbox/sent/trash/draft',
  txt: 'puki', // no need to support complex text search
  isRead: true, // (optional property, if missing: show all)
  isStared: true, // (optional property, if missing: show all)
  labels: ['important', 'romantic'] // has any of the labels
}
```

<MailIndex>

- Gets [mails](#) to show from service
- Renders the list and the filter components (both top filter with search, and side filter for different *folders*)

<MailList>

- Renders a list of [<MailPreview>](#) pass down a mail prop

<MailPreview>

- Present a mail preview
- Renders the subject (with text size limit)
- Gives visual indication for read/unread
- Support hover state

<MailDetails>

- Routable component (page)
- show the entire mail
- Allow deleting a mail (using the service)
- Allow navigating back to the list
- Allow navigating to next/prev emails

<MailFilter>

- Allow filtering
- Start with Search and Read / Unread

<MailFolderList>

- Allow filtering by different folders: inbox / sent / trash / draft

<MailCompose>

- Display a form with: to, subject and body
- Use the service to send a mail (add a mail to the list)

New Message

From

Your-Mail

To

Subject

Send

Integration

- Allow keeping a mail as a note in missKeep - (use query-params)

Say YES to a discount



Save as a Note




Wizz Air <wizzair@gmail.com>

Your friends, family and dreams are awaiting! Say yes to flying today, and plan ahead up until Summer 2021! Here's 30 off of all flights (yes, all of them), only available today, June 24th. Call your parents. Text your friends. Ask your partner. Share this opportunity with them, or surprise them. Book your ticket now with WIZZ!










Some more UX Ideas

Hover states

★ Google	Security alert	- Your Google Account was just signed in to from a n...	 
★ Coding Academy	Wow your app is so amazing!	- WOWWWWWW! This is such an amazing app, Nadav and E... Jun 12	

<input type="checkbox"/> ☆ CodeSandbox	The fastest way ...	The best way to get feedback. Quick, quality feedback is one of the key ingredients of top-performing teams. With CodeSandt	  
<input type="checkbox"/> ☆ linkedin	Last chance to rock the Langua...	Hi Liraz Ganon, Can you achieve greatness in a short amount of time? We often underestimate what we can ac...	Nov 13

Mail list

 Compose	☆ TED	Eyal, here's why you should watch this talk...	Apr 06
 Inbox 2	☆ Shoes	Say YES to a discount	Jun 25
★ Starred	☆ eBay	Eyal, new discounts!	Jun 25
 Sent	☆ Wizz Air	Say YES to a discount	Jun 24
 Drafts	★ Udacity	Use AWS Elasticache for data storage	Jun 24
 Trash	☆ Netflix	Eyal, The Politician Season 2 is now on Netflix	Jun 24
Eyal, The Politician Season 2 is now on Netflix    			
Netflix <netflix@netflix.net>			
This message was mailed to [eyalski18@gmail.com] by Netflix as part of your Netflix membership. SRC: 12182_en_IL			
★ Google	Security alert		Jun 13
★ Coding Academy	Wow your app is so amazing!		Jun 12