

The misterMail App

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

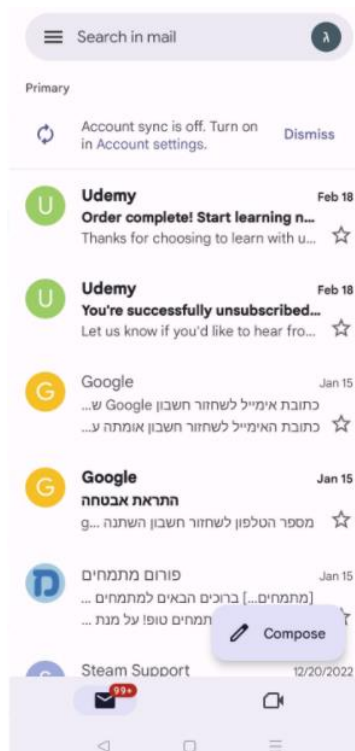
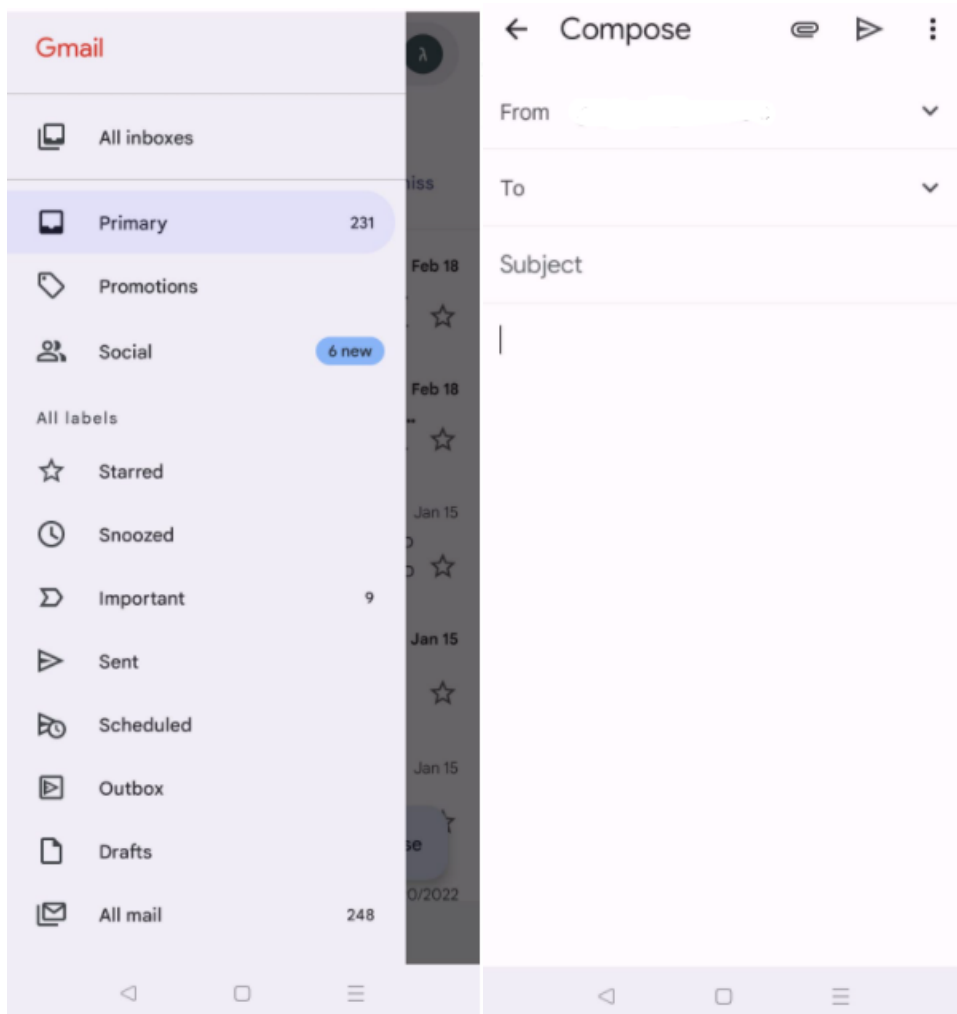
- Support *staring* a mail and allow viewing *stared* mails
- Support manually marking a mail as read/unread
- Allow more options for mails sorting
- Allow more options for mails filtering (From, Subject, Date, Has words, etc.)
- When removing a mail (e.g. from inbox) it should be displayed in the trash 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

Compose		Search	
Inbox 8		<div> <div>^ Date</div> <div>^ Subject</div> <div>^ All</div> </div>	
☆ Starred	2	☆ bestie@momo.com	No need for therapy Dec 31
▶ Sent	1	★ gal@pal.com	Let's go shopping Dec 31
✉ Draft		☆ momo@momo.com	To my bestie! Jan 23
🗑 Trash		☆ old@man.com	Hey there honey 2021
		☆ gal@momo.com	My dog died 2019
		☆ user@appsus.com	Miss you! 2019
		☆ my@man.com	We are better than them 2019
		☆ disco@ball.com	New discovery   
		★ angry@mail.com	Don't mess with me 2019
		★ help@me.com	We might die 2018
		★ hero@momo.com	Happy birthday 2019
		☆ marco@polo.com	Got your back bro 2017

<div> <div> <div></div> <div>Primary 40</div> </div> <div> <div></div> <div>Promotion 22</div> </div> <div> <div></div> <div>Social 17</div> </div> </div>			
<input type="checkbox"/>	☆ liraz	Hey Nadav! no Problem 🤖 You forgot to put jQuery in ". have a nice day!	Nov 13
<input type="checkbox"/>	☆ uber	Plate up with up t... Cure your cravings with up to €15 off. Find affordable treats with Uber Eats. Terms & fees apply. Add the promo code befor...	Nov 13
<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 CodeSandb...	Nov 13
<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
<input type="checkbox"/>	☆ dropbox	Yaron and 56 others made changes in ... follow specific folders and get focused updates Follow folders to get more detailed insights, reported in...	Nov 13
<input type="checkbox"/>	☆ aliexpress	Top brands a... Top items & deals Cure your cravings with up to €15 off. Find affordable treats with Uber Eats. Terms & fees apply. Add the prom...	Nov 13
<input type="checkbox"/>	☆ messages-noreply	Shir Musery replied to your comment Thanks for your support Liraz	Nov 13
<input type="checkbox"/>	★ erin	Huge chunks of N... I know I have a bunch of cookie recipes on my site, but it is fun to mix things up every now and then, and these malted nute...	Nov 13
<input type="checkbox"/>	☆ mongoddbteam	Atlas Search ... Hi Liraz, join us on Wednesday November 16th for our Intro to Atlas Search webinar. We'll search through different data types, in...	Nov 12
<input type="checkbox"/>	☆ brandcrowd	Your logo is ready f... Your logo is waiting! Hi Liraz, Thank you for using BrandCrowd to create your logo. We've saved a copy of your logo within ...	Nov 12
<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 12
<input type="checkbox"/>	★ CodePen	nimated Gra... Animated Gradient Text, GSAP Stop Motion, and SVG Paper Art This week's CodePen community highlights include a speedy CSS ...	Nov 12
<input type="checkbox"/>	☆ CodePen	nimated Gra... Animated Gradient Text, GSAP Stop Motion, and SVG Paper Art This week's CodePen community highlights include a speedy CSS ...	Nov 12
<input type="checkbox"/>	☆ info	Yaniv Weinshtein RSVPed to Who's in Control? on Wed, November 16 11 helpers are going to this Meetup	Nov 12

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

<MailFilter>

- Allow filtering
- Start with Search and Read / Unread

<MailFolderList>

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

<MailCompose>

- Has 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