

The misterEmail App

Requirements

Build an email client app. The user will be able to view his inbox and other folders, to look into an email and to compose new emails.

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




Features List





















































































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

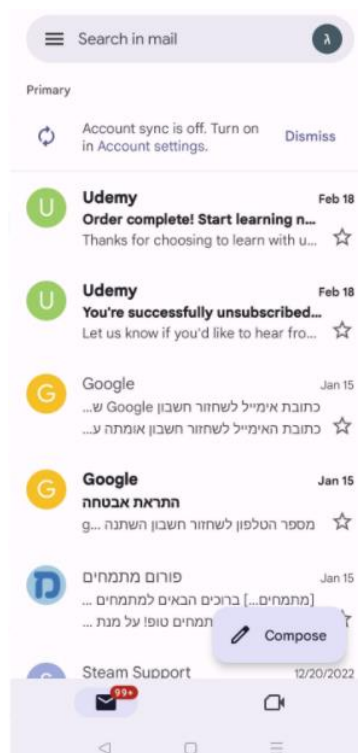
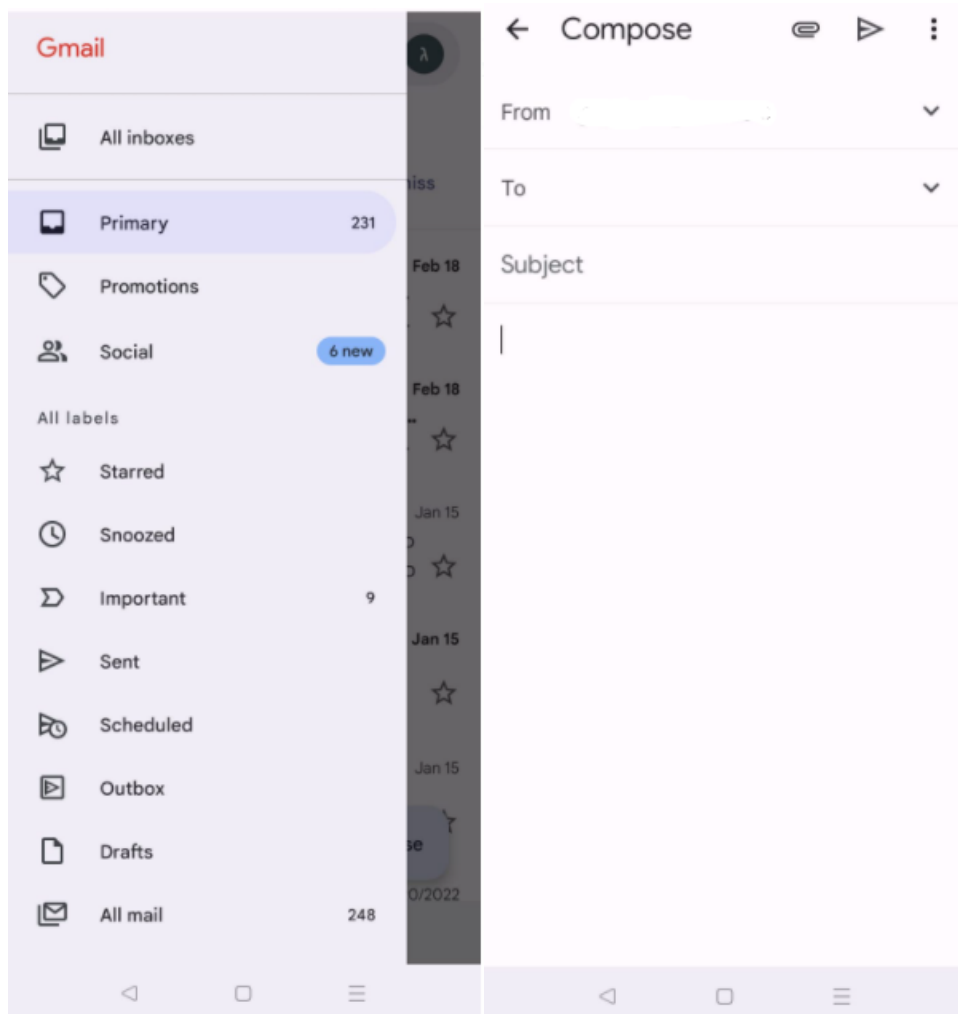
More Features

- Support *staring* an email and allow viewing *starred* emails
- Support manually marking an email as read/unread
- Allow more options for emails sorting
- Allow more options for emails filtering(From, Subject, Date, Has words, etc.)
- When removing an email (e.g. from inbox) it should be displayed in the trash folder
- When removing from trash – email gets truly deleted
- Add a draft folder – email that is being composed is auto saved every 5 seconds and can be viewed in the draft folder until sent
- Support email 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    2019
		★ 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

	Primary 40	 Promotion 22	 Social 17
	Primary 40	 Promotion 22	 Social 17
	Primary 40	 Promotion 22	 Social 17
	Primary 40	 Promotion 22	 Social 17
	Primary 40	 Promotion 22	 Social 17
	Primary 40	 Promotion 22	 Social 17
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	Primary 40	 Promotion 22	 Social 17



Functional Design

emailService

- Model - start with a basic model of emails:

```
const email = {
  id: 'e101',
  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 email 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 emails that were sent to the current user, the other emails are **sent** emails and should be displayed at the *sent* folder

The emailService query function should get a criteria(filterBy) object, here is an idea:

```
const criteria = {
  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
}
```

<EmailIndex>

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

<EmailList>

- Renders a list of [<EmailPreview>](#) pass down an email prop

<EmailPreview>

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

<EmailDetails>

- Routable component (page)
- show the entire email
- Allow deleting an email (using the service)
- Allow navigating back to the list

<EmailFilter>

- Allow filtering
- Start with Search and Read / Unread

<EmailFolderList>

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

<EmailCompose>

- Has a form with: to, subject and body
- Use the service to send an email (add an email to the list)

New Message

From

Your-Mail

To

Subject

Send

Integration

- Allow keeping an email as a note in missKeep - (use queryString 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

Email list

<div>  Compose </div> <div>  Inbox 2 </div> <div>  Starred </div> <div>  Sent </div> <div>  Drafts </div> <div>  Trash </div>			
☆	TED	Eyal, here's why you should watch this talk...	Apr 06
☆	Shoes	Say YES to a discount	Jun 25
☆	eBay	Eyal, new discounts!	Jun 25
☆	Wizz Air	Say YES to a discount	Jun 24
★	Udacity	Use AWS Elasticache for data storage	Jun 24
☆	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