

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

A screenshot of a basic email inbox interface. At the top, there's a blue header bar with a 'Compose' button and a search bar containing the placeholder 'Search'. Below the header, a navigation bar shows 'Inbox' with '8' messages, and other options like 'Starred' (2), 'Sent' (1), 'Draft', and 'Trash'. A sorting dropdown menu is open, showing 'Date' (selected), 'Subject', and 'All'. The main area lists 11 messages:

	From	Subject	Date
☆	bestie@momo.com	No need for therapy	Dec 31
★	gal@pal.com	Let's go shopping	Dec 31
☆	momo@momo.com	To my bestie!	Jan 23
☆	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 dicover	
★	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

On the right side of the message list, there are three small icons: a trash bin, an envelope, and a reply arrow.

A screenshot of a more advanced email inbox interface. The top navigation bar includes 'Compose', a search bar, and three tabs: 'Primary 40' (selected), 'Promotion 22', and 'Social 17'. On the left, there's a sidebar with icons forCompose, Star, Delete, and other filters. The main area lists 18 messages across three sections:

Section	From	Subject	Date
Primary	liraz	Hey Nadav! no Problem 🎉 You forgot to put jQuery in ". have a nice day!	Nov 13
Primary	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
Primary	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
Primary	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
Primary	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
Primary	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
Primary	messages-noreply	Shir Musery replied to your comment Thanks for your support Liraz	Nov 13
Primary	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
Primary	mongodbteam	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
Primary	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
Primary	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
Promotion	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
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Social	info	Yaniv Weinshtein RSVPed to Who's in Control? on Wed, November 16 11 helpers are going to this Meetup	Nov 12



Mobile Version

Gmail

All inboxes

Primary 231

Promotions

Social 6 new

All labels

Starred

Snoozed

Important 9

Sent

Scheduled

Outbox

Drafts

All mail 248

Compose

From

To

Subject

Search in mail

Primary

Account sync is off. Turn on in Account settings.

U Udemy Order complete! Start learning n... Feb 18
Thanks for choosing to learn with u... ☆

U Udemy You're successfully unsubscribed... Feb 18
Let us know if you'd like to hear fro... ☆

G Google כתובת אימייל לשחזר חשבון ג... Jan 15
כתובת האימייל לשחזר חשבון גמ... ☆

G Google תרומות גנטה Jan 15
מספר הטלפון לשחזר חשבון השטנה... ☆

P Pורום מתחמיים Jan 15
[מחמיכים...] ברוכים הבאים לתחמיים...
... המחים טופ! על מנת...
Compose

Steam Support 12/20/2022

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>

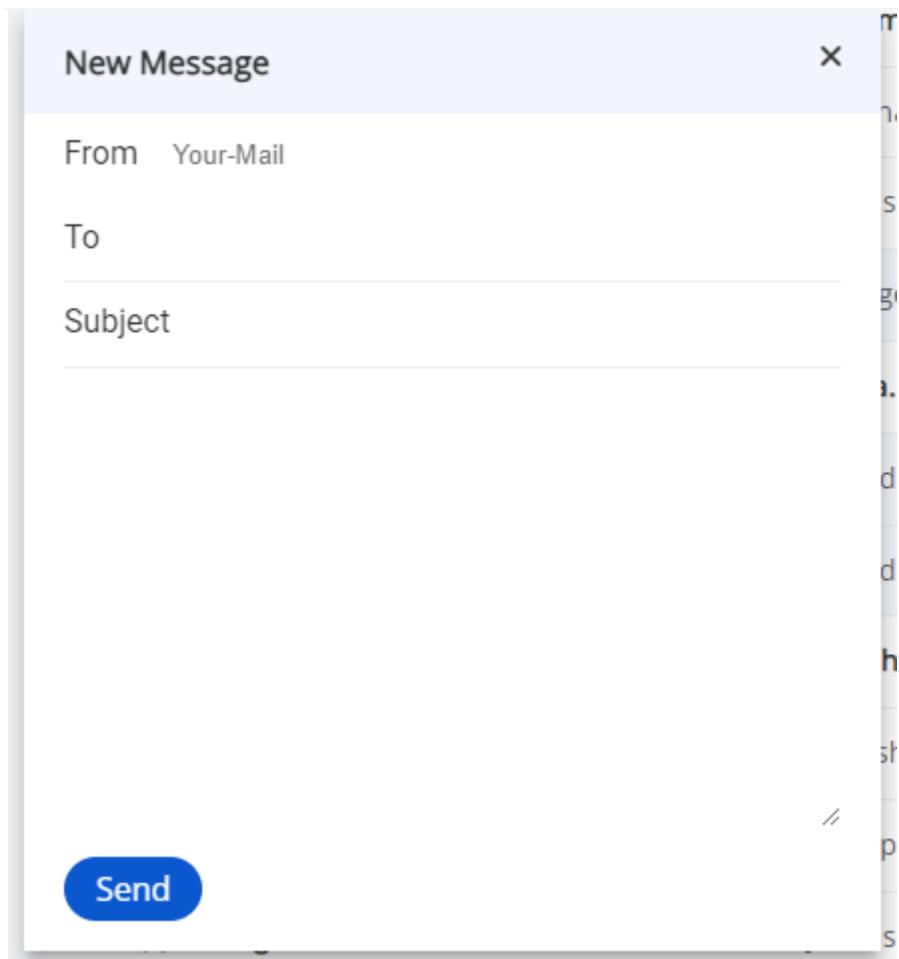
- Allow filtering
- Start with Search and Read / Unread

<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)



Integration

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

The screenshot shows an email message from 'Wizz Air <wizzair@gmail.com>'. The subject line is 'Say YES to a discount'. The message body contains promotional text about discounts. In the top right corner of the message area, there are several icons: a reply arrow, a trash can, and a 'Save as a Note' button. A tooltip for the 'Save as a Note' button is visible, showing the text 'Save as a Note'.

Say YES to a discount

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!

Save as a Note



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!	- WOWWWWWWW! 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 CodeSand...	
<input type="checkbox"/> linkedin	Last chance to rock the Langu...	Hi Liraz Ganon, Can you achieve greatness in a short amount of time? We often underestimate what we can ac...

Mail list

Compose	
Inbox	2
Starred	
Sent	
Drafts	
Trash	
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 [eyalskl18@gmail.com] by Netflix as part of your Netflix me	
mbership. SRC: 12182_en_IL	
Google	Security alert Jun 13
Coding Academy	Wow your app is so amazing! Jun 12