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
- When removing an email (e.g. from inbox) it should be displayed in the trash folder (done by setting the *removedAt* property to a timestamp). 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

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Apps Place

Search mail | All ▼

Itai	**One more email for the road** - na na na	12:14 AM
Itai	Normally I stay up late - but then I discovered Lorem ipsum dolor rea...	12:13 AM

+ Compose

🖂 Inbox
⭐ Starred
↪ Sent Mail
🗐 Drafts

33%

Normally I stay up late

Itai <itai@gmail.com>

but then I discovered Lorem ipsum dolor reading, and it goes like sit amet, consectetur adipisicing elit. Sunt ea repellat ratione a quasi earum placeat delectus, sed nihil ut praesentium. Facere nesciunt nobis voluptatum sed placeat quo fugiat debitis?

Itai	**Wassap Vue?** - This is a great app!	12:11 AM

Apps Place

Search mail | All ▼

+ Compose

🖂 Inbox
⭐ Starred
↪ Sent Mail
🗐 Drafts

33%

New Message

To:

Cc:

Bcc:

Subject

Send   🗑

Mobile Version
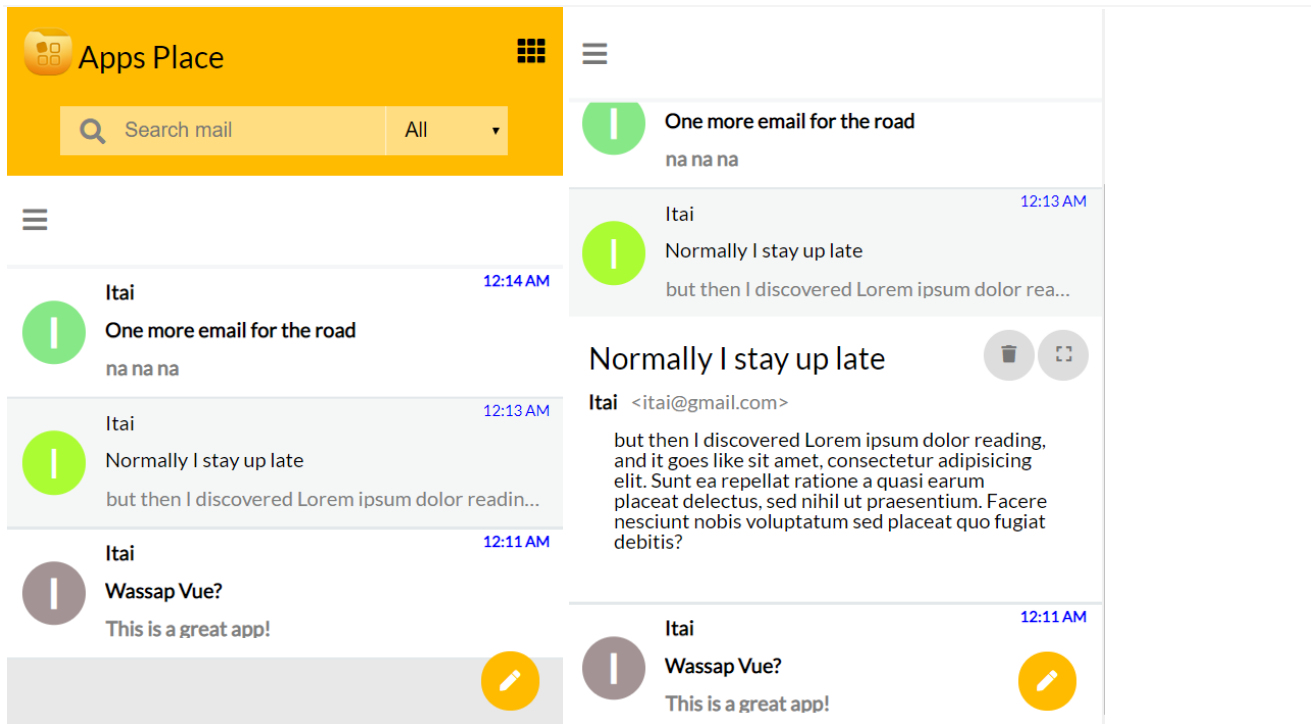

Functional Design

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,
    to: 'momo@momo.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 <u>there is no need</u> 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 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)
    lables: ['important', 'romantic'] // has any of the labels
}
```

<email-app>

- Gets the right emails from service (async)
- Renders the list and the filters (both top filter with search, and side filter for different *folders*)

<email-list>

- Renders a list of <email-preview> pass down an email prop

<email-preview>

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

<email-details>

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

<email-filter>

- Allow filtering
- Start with Search and Read / Unread

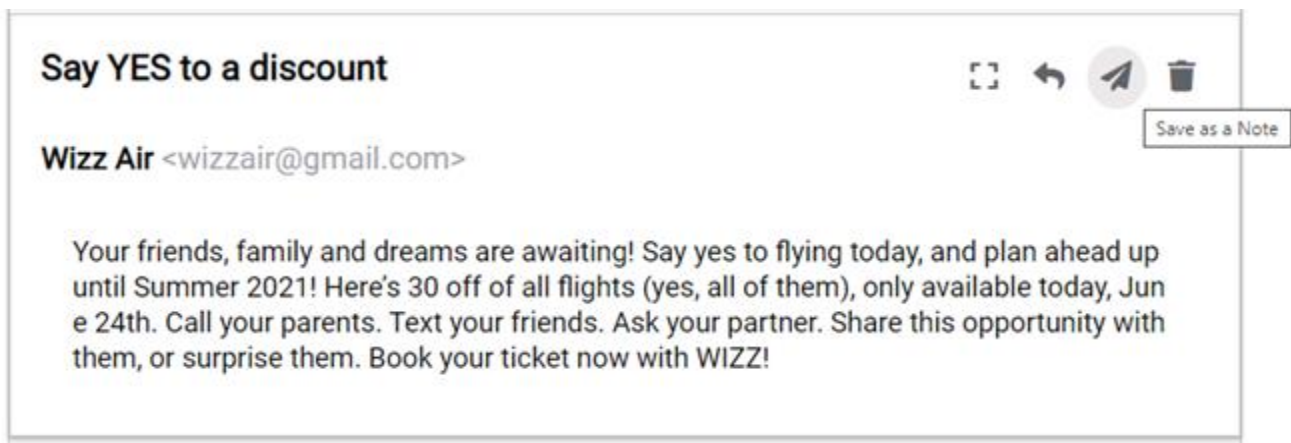## <email-folder-list>

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

<email-compose>

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

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

Some more UX Ideas

Hover states

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Email 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 membership. SRC: 12182_en_IL

⭐	**Google**	**Security alert**	**Jun 13**
⭐	Coding Academy	Wow your app is so amazing!	Jun 12