Blueprint Studios Website

IT103F Web Publishing Project

Main Webpages Overview (16 pages)

Webpage	Creator
index.html (Home)	Seng Hong
products.html	Jackie
services.html	Jackie
services-success.html	Jackie
about-us.html	Zhe Ming
careers.html	Zhe Ming
jobapplication.html	Zhe Ming
application-success.html	Zhe Ming
contact-us.html	Ameer
faq.html	Ameer
checkout.html	Gui Cheng
checkout-success.html	Gui Cheng
news.html	Gui Cheng
signin.html	Jackie
signup.html	Jackie
dashboard.html	Jackie

Subsidiary Webpage Folders (31 pages)

Webpage Folder	Creator
products (24 pages)	Jackie
news-posts (7 pages)	Gui Cheng

Servers

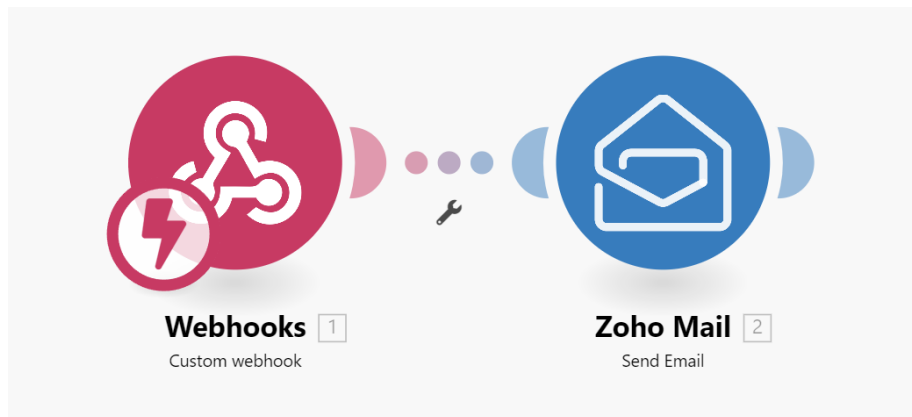| Type	Language	Creator
Web Server	Firebase Hosting	Jackie
API Server	Javascript	Jackie
Database	PostgreSQL	Jackie
Email API Server	Make Workflow	Jackie

Notes

- Minimum Screen Width: 365px
- Recomended Browsers: Chrome, Microsoft Edge
- Please have a stable internet connection.

Emailing System

At the checkout page, upon click purchase and validation success, an email is sent to users containing their product bought and the download file.

This works by sending a HTTP POST request to our back-end email server for each product in the cart that they purchase.

The back-end email server is hosted on make. https://www.make.com/ We use their scenario workflows feature. The workflow has a webhook listener, and upon getting a HTTP POST, it uses the Zoho Mail API to send an email to the user along with the details.

We use Zoho Mail as our emailing service. With the domain being @blueprint-studios.net Users should expect the email from noreply@blueprint-studios.net within 10 minutes of purchase.

Purchases Storing / Sign Up / Sign In / Dashboard

Upon purchasing a product on the checkout page, a HTTP POST request is made to our back-end server. With email and product details for the purchase. The data is then formatted and stored onto our database.

Sign Up is similar where it also sends a HTTP POST request to the back-end server with the inputted details and the server formattes the data and stores it into the database.

Sign In also uses a HTTP POST request with the inputted details to the back-end server. It checks the database for the email and see if the passwords match.

Dashboard sends a HTTP POST request to the server with the sign in credentials to get all previous purchases made by the email. Then displays it on the dashboard.
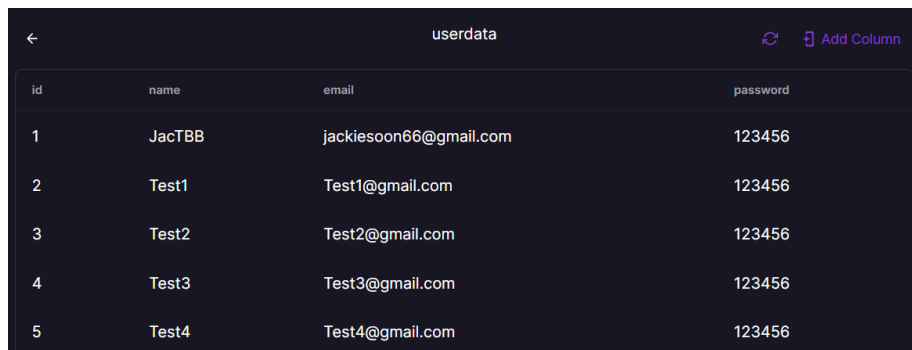

Database

The database uses PostgreSQL, a squential query database language. Both the database and back-end server is hosted on Railway, https://railway.app/. The database contains 2 tables.

userdata table, it has 4 columns.

- id - To make each data entry unique
- name - Username
- email - Email used
- password - Password needed to sign in

←	userdata			⟳ ⊟ Add Column
id	name	email	password
1	JacTBB	jackiesoon66@gmail.com	123456
2	Test1	Test1@gmail.com	123456
3	Test2	Test2@gmail.com	123456
4	Test3	Test3@gmail.com	123456
5	Test4	Test4@gmail.com	123456

purchases table, it has 3 columns.

- id - To make each data entry unique
- email - Email used
- product - The product they purchased

id	email	product
2	jackiesoon66@gmail.com	P250 3D Model
14	jackiesoon66@gmail.com	iPhone 12 Pro Max 3D Model
15	jackiesoon66@gmail.com	Coca-Cola Bottle 3D Model
16	1223@gmail.com	AC Cobra 269 3D Model
17	1223@gmail.com	AC Cobra 269 3D Model

Credentials

Zoho Mail:

https://mail.zoho.com/zm/#mail/folder/inbox

Email: developer@blueprint-studios.net Password: D3V@blueprint

Railway:

https://railway.app/project/f01b612d-f660-4702-b548-1203dd511a10/

Email: developer@blueprint-studios.net Note: You may have to open the verification link in Zoho Mail.