Lab 2
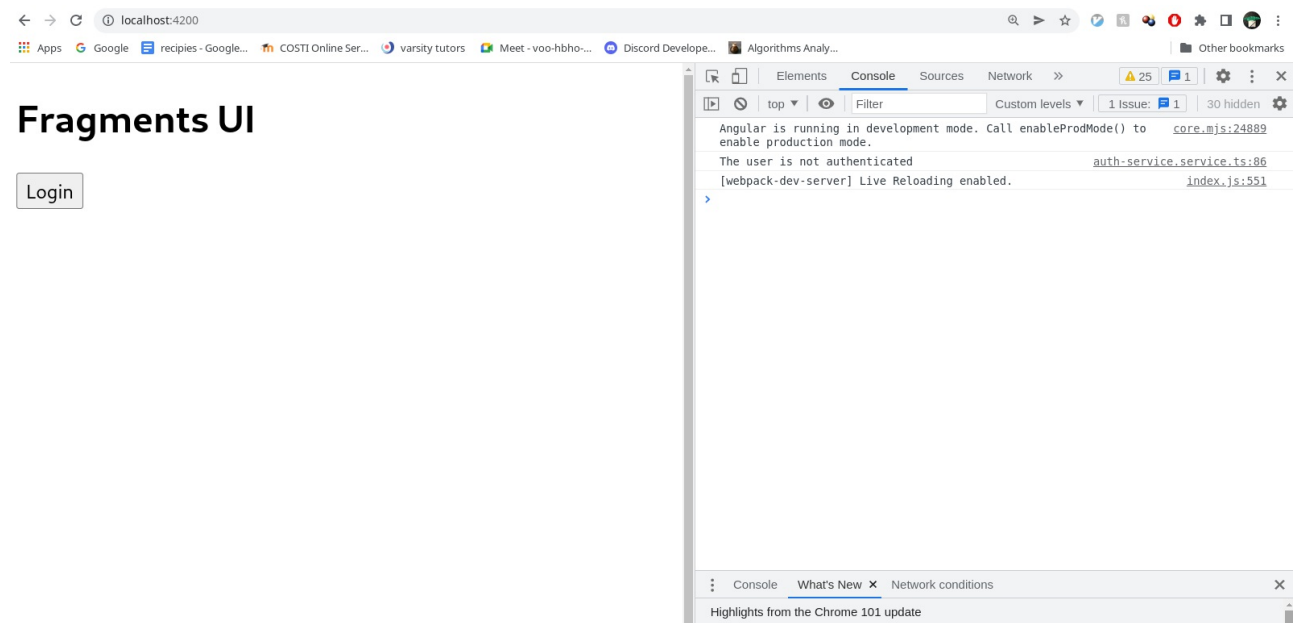
[fragments repo (https://github.com/shawnyu5/fragments)](https://github.com/shawnyu5/fragments)
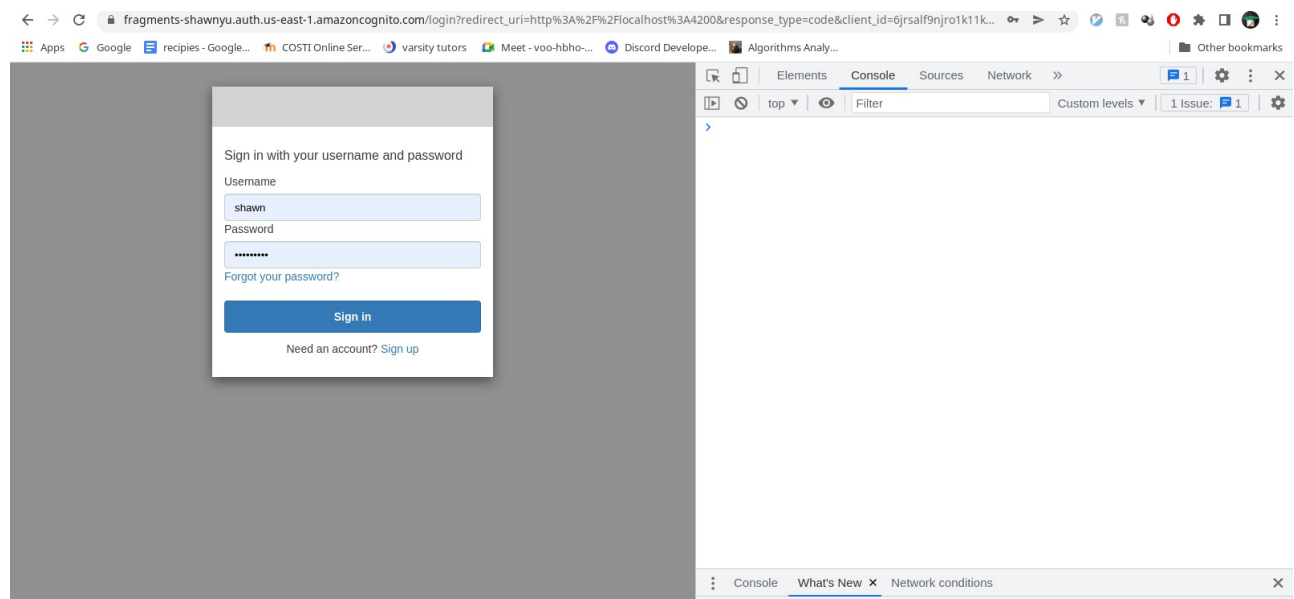
[fragments-ui repo (https://github.com/shawnyu5/fragments-ui)](https://github.com/shawnyu5/fragments-ui)

Screen shots

Not logged in

After clicking login

After logging in

Fragments UI

Logout

Hello shawn!

Angular is running in development mode. Call enableProdMode() to   core.mjs:24889
enable production mode.
[webpack-dev-server] Live Reloading enabled.   index.js:551
The user is authenticated   auth-service.service.ts:59
logged in   pino:202
The user is authenticated   auth-service.service.ts:59
Requesting user fragments data...   api.ts:13
                                                                       pino:202
  {username: 'shawn', idToken: 'eyJraWQiOiIzeTExRldjVFMzM0NteUwyQ0hxRFhXNEs5YnpvMm…
  dOXIyRaliGwxl7_n28exJ5qism523qc3AQ80CogddTxTD6Jfw', accessToken: 'eyJraWQiOiJaSjh
  kYUlwaGNoTnJjVlptd0lkazdKRkRaN2dBdF…anUk_7Ndst0f7nt0kv4M_IfV5tDrrRH0OSBeMr4lxvSbZ
  CRcw', authorizationHeaders: f}
Got user fragments data ▶{data: {…}}   browser.js:202

AWS console

Services   Search for services, features, blogs, docs, and more   [Alt+S]   N. Virginia ▼   voclabs/user1976309=Yu,_Shawn @ 3700-7317-4786 ▼

The new design for Cognito User Pools console is now available. **Try out the new interface**

User Pools | Federated Identities

fragments-users

General settings
- Users and groups
- Attributes
- Policies
- MFA and verifications
- Advanced security
- Message customizations
- Tags
- Devices
- App clients
- Triggers
- Analytics

App integration
- App client settings
- Domain name

Users | Groups

Import users   Create user

User name ▼   Search for value...

Username	Enabled	Account status	Email	Email verified	Phone number verified	Updated	Created
shawn	Enabled	CONFIRMED	hyu126@myseneca.ca	true	-	May 17, 2022 12:44:52 AM	May 17, 2022 12:43:35 AM

JWT decoder

Decoded EDIT THE PAYLOAD AND SECRET

HEADER: ALGORITHM & TOKEN TYPE

```json
{
  "kid": "3y11GWcTS33CmyL2CHqDXN4K9bzo2hdXMW/x13cSm/w=",
  "alg": "RS256"
}
```

PAYLOAD: DATA

```json
{
  "at_hash": "-1v3uW3qN4tHuSvPj1FG2A",
  "sub": "5ee29837-0168-44f2-b775-04fb0d7bb02d",
  "email_verified": true,
  "iss": "https://cognito-idp.us-east-1.amazonaws.com/us-east-1_Tgb1OE2PG",
  "cognito:username": "shawn",
  "origin_jti": "28415b5c-eaf2-43ea-af58-d6235d8d4857",
  "aud": "6jrsa1f9njro1k11khit3vseq0",
  "event_id": "13373af4-07d8-45db-8db3-547b737b1759",
  "token_use": "id",
  "auth_time": 1653248926,
  "name": "shawn yu",
  "exp": 1653259137,
  "iat": 1653255537,
  "jti": "175ac945-bcd9-44e1-8837-fc1604227946",
  "email": "hyu126@myseneca.ca"
}
```

VERIFY SIGNATURE

```
RSASHA256(
  base64UrlEncode(header) + "." +
  base64UrlEncode(payload),
  {
    "e": "AQAB",
    "kty": "RSA",
    "n": "s5CvkaOq1JGhvXQArIy
  },
  Private Key in PKCS #8, PKCS #
  1, or JWK string format. The k
  ey never leaves your browser.
)
```