Initial Planning:

Structure: [Amany]

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| **Page** | **Route** | **Purpose** |
| Homepage | / | Intro, slogan, and link to explore cards |
| About | /about | Team members: resume, skills, hobbies, similar to assignment 1) |
| Product Listing | /cards | Displays Pokemon cards with filters, search, pagination |
| Card Details (Dynamic) | /cards/[id] | Detailed view of a selected card |
| Login/Register | /login, /register | User’s favorites/history |
| Favorites | /favorites | Shows user’s favorited cards |
| 404 | /404 | Not found page |

Folder Structure: [Amany]

**|-- public/** //for static files, image, icons

**|--src/**

**|-- pages/**  
**| |-- index.js  
| |--about.js  
| |-- cards/  
| | |--index.js  
| | |-- [id].js** dynamic for card details of selected card (id, picture, name, description, price, rarity, abilities, attacks, level) **| |-- login.js //form  
| |--register.js //form  
| |--favorites.js  
| |--404.js  
|--components/  
 CardList.js** //SWR **CardItem.js  
 SearchBar.js  
 Layout.js  
 NavBar.js  
|-- store/**favoriteAtom // Jotai store (Global state)  
**|-- styles/globals.css**

**|--utils/ fetcher.js** //SWR fetcher with .env API key **|--categories.js** (min 4 categories) (“d”, “description”) { "data": ["Colorless", "Darkness", "Dragon", "Fairy", "Fighting", "Fire", "Grass", "Lightning", "Metal", "Psychic", "Water"]}   
**|--products.js** //Product data ”mock” (id, name, description, price, discontinued (Boolean), categories[])

**|-- .env.local //API key**