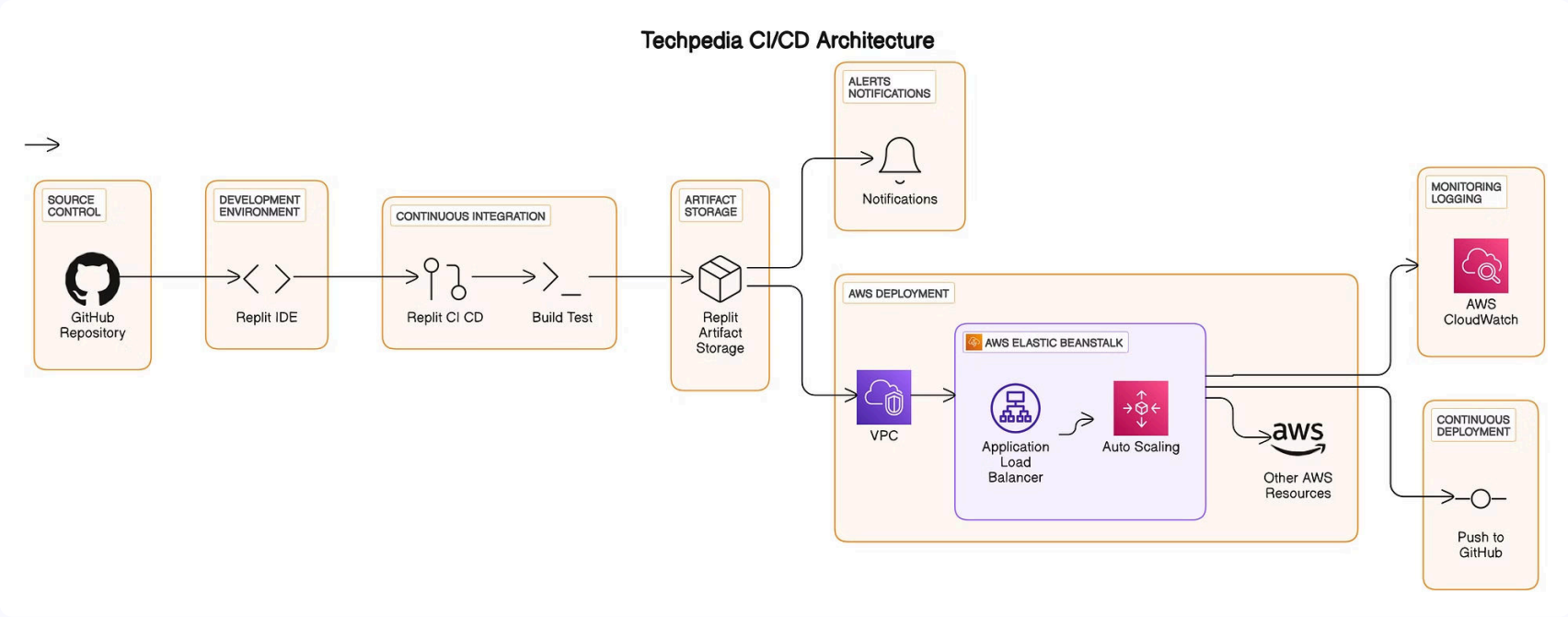
Teckypedia: E-commerce Web Application

Teckypedia is an innovative e-commerce web application developed using the Python Flask framework and designed with Tailwind CSS. This platform provides a seamless and user-friendly experience for purchasing computer spare parts online. Whether you're searching for the latest graphics card, motherboard, CPU, or any other component, Teckypedia offers a convenient way to explore, compare, and buy computer parts from the comfort of your home.



Architecture Diagram

Features

- **User Authentication:** Users can sign up for an account, log in, and manage their profile.
- **Product Listings:** Browse through a wide range of computer spare parts with detailed descriptions and images.
- **Shopping Cart:** Add products to the cart and proceed to checkout.
- **Order Management:** Users can view their order history and track the status of their orders.
- **Admin Panel:** Administrators have access to manage products, categories, brands, and user orders.
- **Responsive Design:** The application is designed to be responsive, ensuring a seamless experience across various devices.

Technologies Used

- **Python:** Backend development using Flask, a lightweight WSGI web application framework.
- **HTML/CSS:** Frontend styling with Tailwind CSS, a utility-first CSS framework.
- **SQLite:** Database management using SQLite, a lightweight relational database management system.
- **JavaScript:** Adding interactivity to the web pages.
- **Tailwindcss:** Additional styling and layout components for frontend design.
- **Git:** Version control system for tracking changes and collaborating with other developers.
- **GitHub:** Hosting the repository and managing project collaboration.

Getting Started

To get started with Teckypedia locally, follow these steps:

1. Clone this repository to your local machine.
2. Navigate to the project directory.
3. Install the required dependencies by running `pip install -r requirements.txt`.
4. Start the Flask development server by running `python app.py`.
5. Open your web browser and navigate to `http://0.0.0.0:5000` to view the application.

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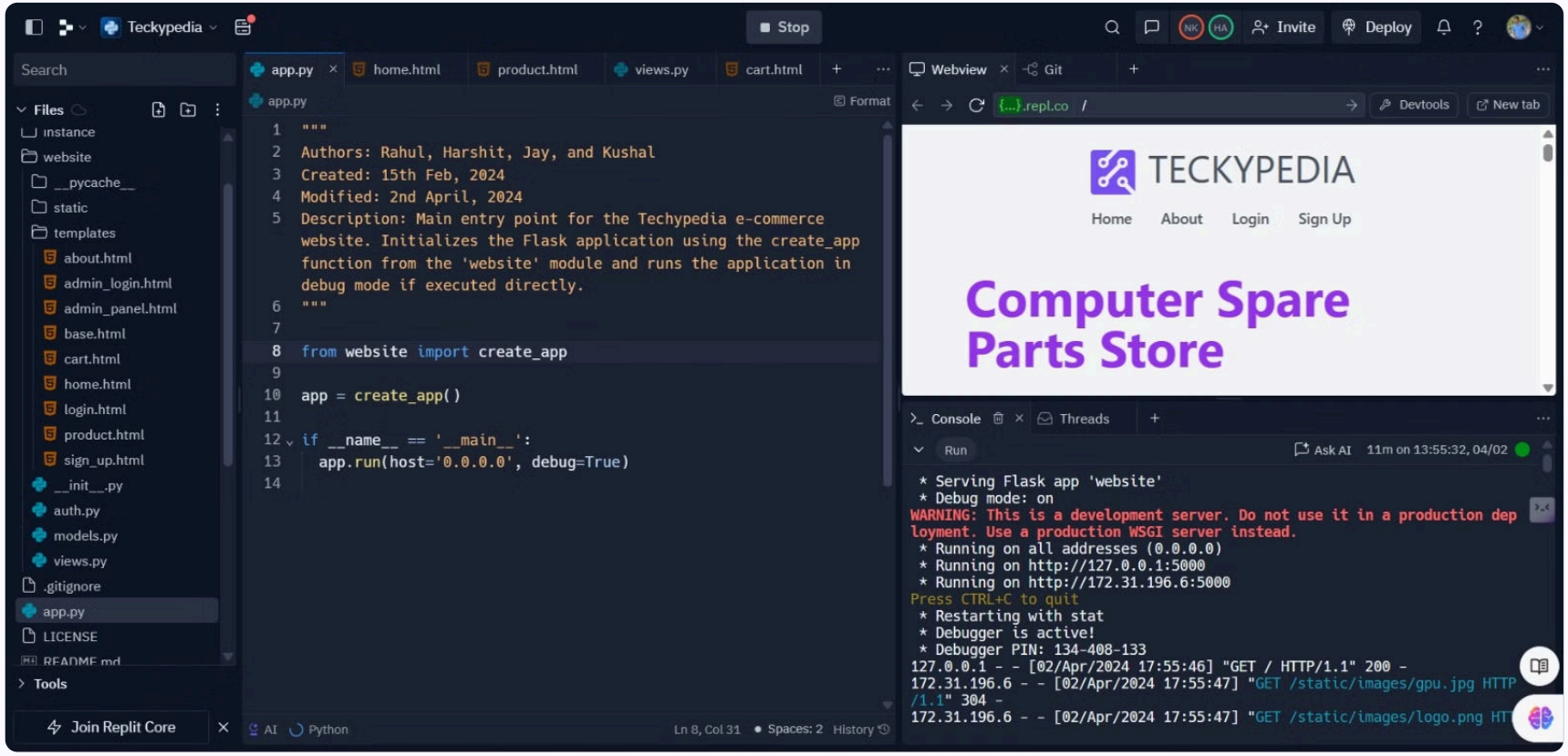
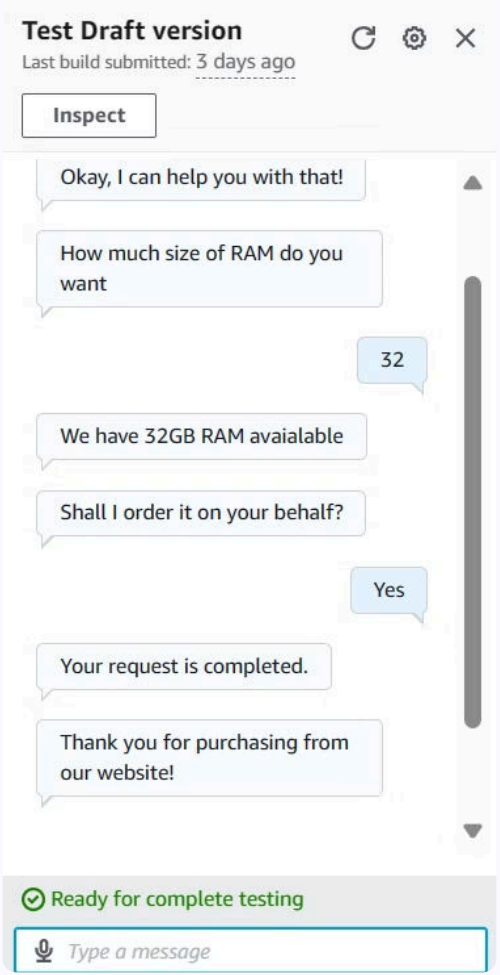
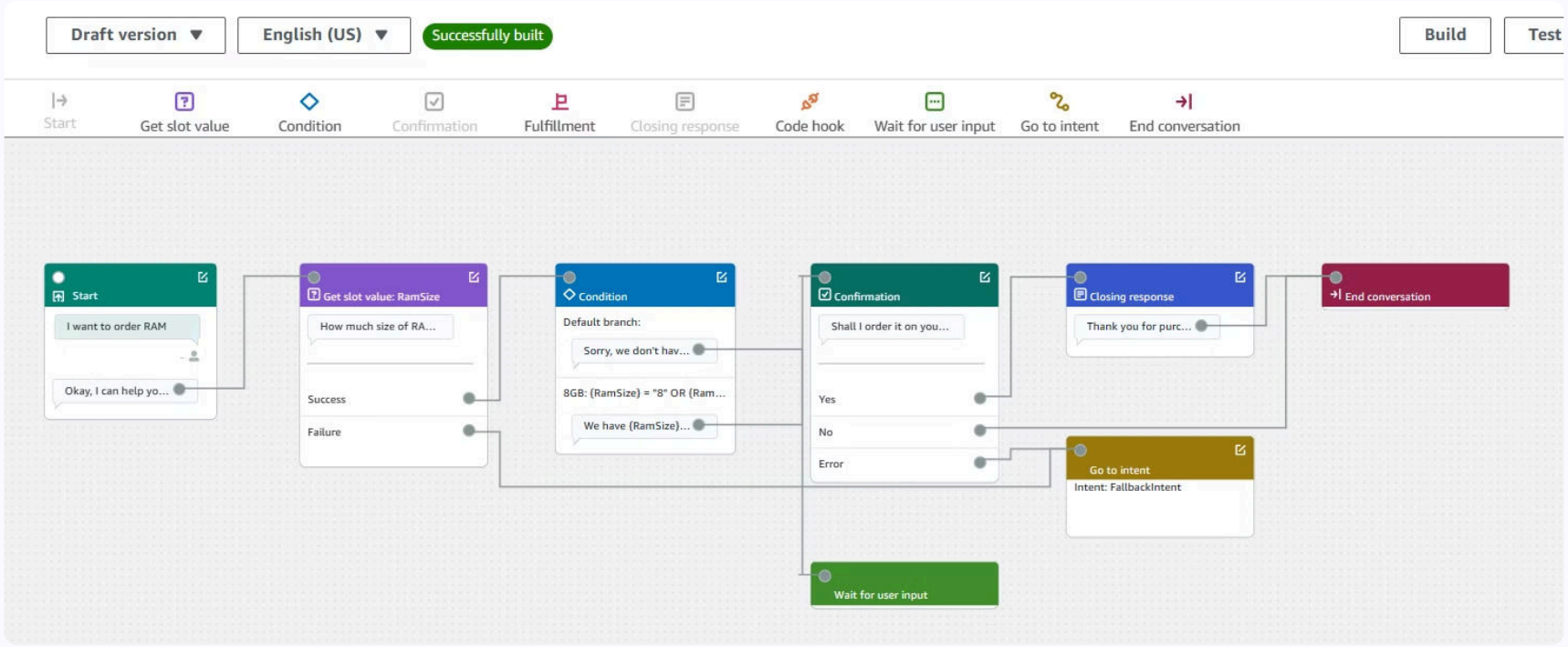


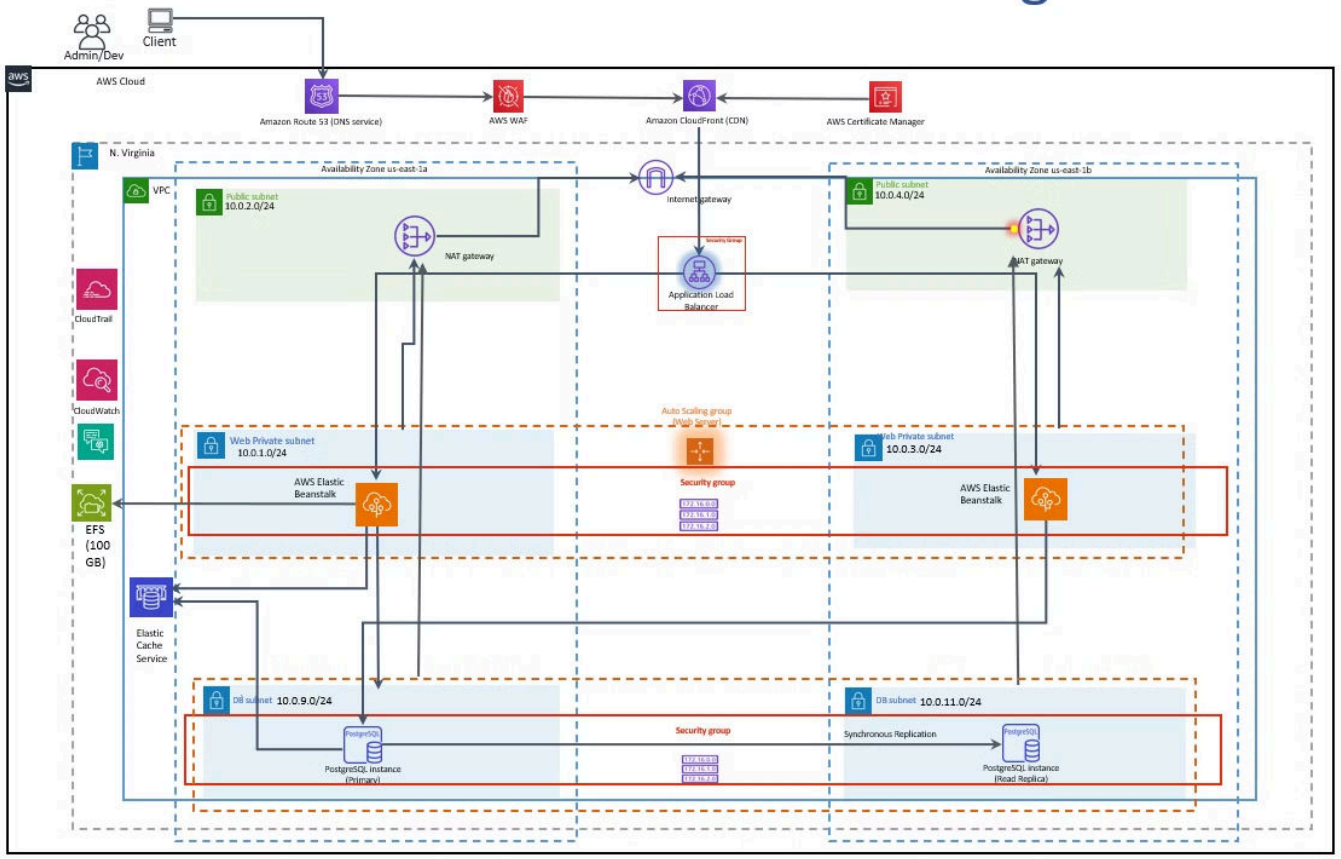
Amazon Lex



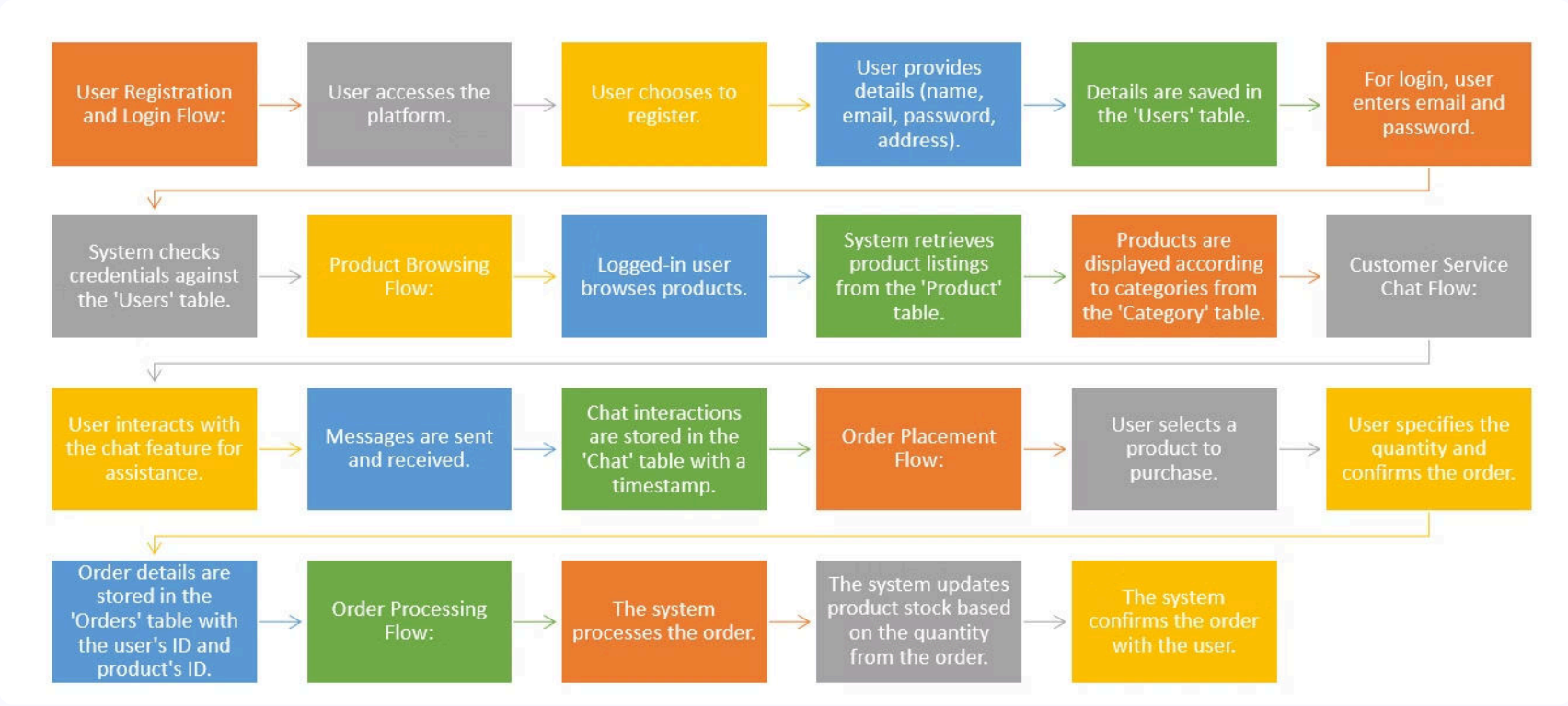
Amazon Lex: Visual



Backend Architecture Design



Data Flow Diagram



Thank You!

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