Team JSR

**Members:** Remitio

# Project Description`

Supply Scout is a supply-finding app that provides real-time inventory updates for nearby stores. It categorizes stores based on the type of supplies they carry and integrates with maps to help users locate their desired items quickly and efficiently. The app features an intuitive interface, ensuring users can easily navigate and find the supplies they need without confusion.

# Requirements Summary:

1. **UI Design-** The ease of use and aesthetic appeal of the app’s interface, including navigation, search functionality, and overall user experience.
2. **GPS -** The precision of the app's GPS and map integration to show accurate user location and nearby stores.
3. **Performance-** The speed and reliability of the app, including loading times, responsiveness to user actions, and stability under various conditions.
4. **User Registration and Login** - Users should be able to create accounts and log in using email, social media, or phone number.

**Prototype Description:**

We created the Supply Scout prototype using Canva, a versatile and user-friendly design tool. Canva was chosen for its ease of use, extensive template library, and robust design features that allow for rapid prototyping and visualization of app interfaces. The platform's drag-and-drop functionality enabled us to quickly iterate on design concepts and create a visually appealing and intuitive user interface. Additionally, Canva's collaboration features allowed our team to work together seamlessly, making it easier to gather feedback and make real-time adjustments. By using Canva, we were able to efficiently produce a high-quality prototype that effectively communicates our app's functionality and design, facilitating better decision-making and stakeholder engagement during the development process.

**Prototype link:**

**https://www.canva.com/design/DAGH6piBKYo/OyezAY1Dkg0Q3C6mcDUwNg/edit?utm\_content=DAGH6piBKYo&utm\_campaign=designshare&utm\_medium=link2&utm\_source=sharebutton**

**User scenario:**

One Tuesday evening, Sarah Johnson, a busy nurse, received an urgent severe weather alert on her phone. She needed to quickly gather essential supplies before the storm hit. Sarah opened the Supply Scout app and typed in "bottled water, batteries, non-perishable food."

Within seconds, the app displayed nearby stores with real-time inventory updates. Sarah filtered the results to show only stores open late and within a 5-mile radius. She selected a grocery store that had everything she needed.

Using the app's integrated map, Sarah got clear directions and estimated travel time to the store. After her shift ended, she followed the app’s navigation and arrived at the store quickly. Inside, she used the app to locate the aisles for bottled water, batteries, and non-perishable food.

Sarah swiftly gathered her supplies and checked out, feeling relieved and prepared for the storm. Thanks to Supply Scout, she could ensure her family’s safety with minimal stress.

# Supply Scout Prototype:

# Splash Screen: the landing Login page: Login registration

# page of the application

# A screenshot of a phone Description automatically generated

**A screenshot of a login screen

Description automatically generated**

**User Page: After Search:**

**First thing that Pops**

**out after loging in**

**A screenshot of a map

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**After Clicking the menu bar:**

**Shows that u can switch from buyer to seller if you have one**

**A screenshot of a phone

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**Buyer page after clicking the location:**

**A screenshot of a menu

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**Seller Supply control page and show page:**

**A screenshot of a menu

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**Flow of the App:**



**A screenshot of a phone

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**This shows the flow of the user when opening the app to loging in as well as the page after logging in**

**A black arrow pointing up

Description automatically generatedA black arrow pointing up

Description automatically generatedA screenshot of a menu

Description automatically generatedA screenshot of a map

Description automatically generatedA screenshot of a phone

Description automatically generatedFlow 2:**

**The second flow shows the user searching for an item or anything that he wants then shows if green that delivers or orange that does not deliver and red as to show where he is at the moment and the next page shows the landing page when clicking the shop that is delivers**

**A screenshot of a phone

Description automatically generatedThird flow:**

**A black arrow pointing up

Description automatically generatedA black arrow pointing up

Description automatically generatedA screenshot of a menu

Description automatically generatedA screenshot of a phone

Description automatically generated**

**The third flow shows the user changings its status to seller as the app will transform and login to your online shop**

**Rationale:**

For the development of Supply Scout, we chose to use Canva to create our prototype. Canva’s user-friendly interface and extensive design tools allowed us to rapidly develop a tangible and visually appealing prototype. By using Canva, we were able to clearly visualize the skeletal structure of our application, which helped in organizing the necessary implementations for our project. The platform’s drag-and-drop functionality made it easy to design each component of the app, ensuring that both the user interface and user experience were intuitive and aligned with our project goals. Canva's collaborative features enabled our team to work together seamlessly, sharing feedback and making real-time adjustments. This collaborative approach not only streamlined our development process but also helped us identify potential issues early on, ultimately saving us time and resources.

**Changes to requirements:**

For Supply Scout, we did not make any significant changes or updates to the requirements throughout the development process. We did not encounter any major performance issues, bottlenecks, or navigational problems. After comprehensive testing, we determined that our system met all the required specifications, so we decided to adhere to our original requirements and design approach to ensure the application successfully achieves its intended goals.

**Initial Evaluation Plan:**

The initial evaluation plan for Supply Scout centered on Usability Specifications, Heuristics Evaluation, and Participant Survey and Feedback. We focused on these areas because the effectiveness of an app designed to simplify tasks depends on its user-friendliness and ease of use. By evaluating usability, applying heuristic principles, and collecting feedback from participants, we aimed to maintain a design that is both intuitive and practical for users, staying true to the app’s purpose of making life easier.