

# Team Ctrl-Alt-Del

WiCS Hackathon '25

Atharva Date  
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Revvo

A mall store finding application

No more wandering aimlessly!

ARIZONA STATE UNIVERSITY

# Problem Statement & Solution

## **Problem Statement**

Navigating large malls can be frustrating for visitors who struggle to find stores, check store hours, locate amenities, or read reviews. Traditional in-mall directories are often inconvenient, outdated, and require physical presence, making the shopping experience inefficient and time-consuming.

## **Solution**

Revvo - a mobile app that provides a seamless digital alternative, offering exact location assistance, store information, operating hours, and reviews — all at your fingertips. Users can explore mall stores by category, locate them effortlessly, and plan their visit with ease. No more wandering aimlessly — just a smarter, more convenient way to shop.

# Project Overview

- **Mall Store Listings:** The app provides a comprehensive list of all stores within a specific mall, offering essential details such as store names, opening hours, and promotions.
- **User-Friendly Interface:** Designed for mobile users, the app makes it easy to navigate and find the desired stores or promotions without the need to visit multiple websites.
- **Convenient Access:** Users can quickly access all relevant information about the mall and its stores, making it more convenient than searching through individual websites.
- **Real-Time Information:** The app ensures up-to-date details on store hours and promotional offers, helping users make better decisions while shopping.
- **One-Stop Shopping Tool:** The app consolidates store listings, timings, and promotions in one place, reducing the time and effort required to check multiple resources.

# Tech Stack

- Frontend: React Native
- Backend: Appwrite DB
- Styling: Tailwind CSS
- Mobile Application Testing:
  - Xcode (On MacOS devices)
  - Expo (On Windows devices for different mobile devices)
- Google Authentication: Google Cloud

# Resources

- AI Tools - Chat GPT used for the following implementations:
  - Image generation
  - Database schema generation
  - Appwrite Database setup
  - Issues/Bug fixes
  - Google Console Project setup for Authentication
- React Native documentation: <https://reactnative.dev/docs/getting-started>
- Expo documentation: <https://docs.expo.dev/>
- Tailwind CSS documentation: <https://tailwindcss.com/docs/installation/using-vite>
- Arizona Mills Mall: <https://www.simon.com/mall/arizona-mills>

# Our Contributions

- Parth Thombre:
  - Frontend (Home and Explore pages)
  - Search and Filter Features
- Manveer Saini:
  - Backend setup
  - Data seeding
  - Comment and Locations Features
- Atharva Date:
  - Integrate Backend with Frontend
  - Google Authentication
  - Frontend (Profile and Login pages)

DEMO





Downloading 86.75%



WELCOME TO REVVO

**Lets get you closer to  
Your Desired Store**

Login to Revvo with Google

 Continue with Google

Profile



**Atharva Shailesh Date**

 My Bookings >

 Payments >

 Profile >

 Notifications >

 Language >

 Help Center >

 Logout



Home



Explore



Profile



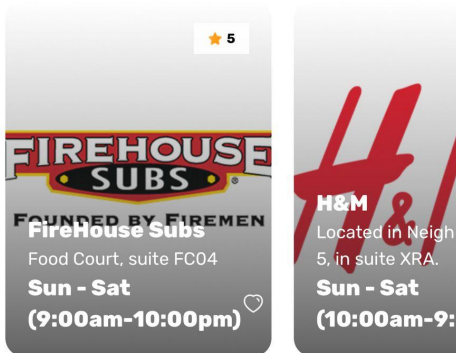
Welcome to Arizona Mills

Atharva Shailesh Date



## Top Rated

See All

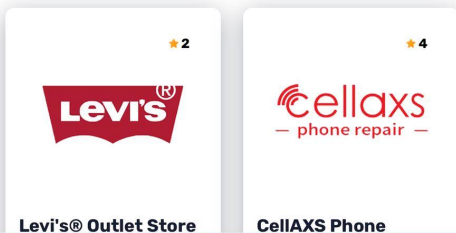


All

Clothing

Entertainment

Restaurant



Levi's® Outlet Store

CellAXS Phone



Home



Explore



Profile



Search for Your Ideal Home



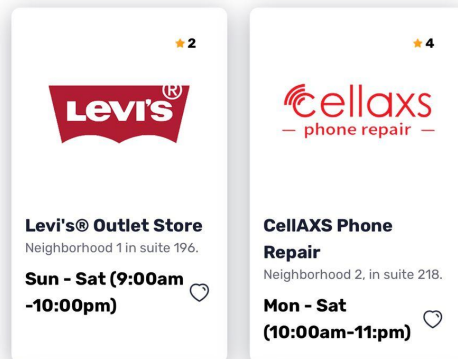
All

Clothing

Entertainment

Restaurant

## Results (20)



Levi's® Outlet Store

Neighborhood 1 in suite 196.

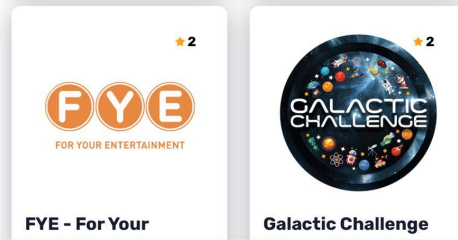
Sun - Sat (9:00am-10:00pm)



CellAXS Phone Repair

Neighborhood 2, in suite 218.

Mon - Sat (10:00am-11:pm)



FYE - For Your

Galactic Challenge



Home



Explore



Profile



Search for Your Ideal Home

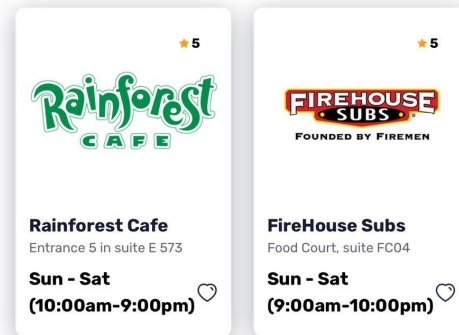


Clothing

Entertainment

Restaurant

## Results (2)



Rainforest Cafe

Entrance 5 in suite E 573

Sun - Sat (10:00am-9:00pm)



FireHouse Subs

Food Court, suite FC04

Sun - Sat (9:00am-10:00pm)



Home



Explore



Profile

← Search for Your Ideal Home 🔔

🔍 Fye 🌐

All Clothing Entertainment Restaurant

## Results (1)

★ 2

**FOR YOUR ENTERTAINMENT**

**FYE - For Your Entertainment**  
Between Entrance 5 and the Food Court in suite 612.

**Sun - Sat (10:00am-11:00pm)** ❤️



Home



Explore



Profile



## Levi's® Outlet Store

Stores ★ 2 (6 reviews)

### Contact



**Elon Musk**  
musk3@yahoo.com



### Overview

Tailored for the Young and Hungry. Every detail has been thoughtfully trimmed and artfully tailored. So

Available

**Sun - Sat (9:00am -10:00pm)**

### Contact



**Elon Musk**  
musk3@yahoo.com



### Overview

Tailored for the Young and Hungry. Every detail has been thoughtfully trimmed and artfully tailored. So lead the way ladies and gents, this is a pair of Levi's.

### Location

📍 Neighborhood 1 in suite 196.



★ 2 (6 reviews)

View All



**Manish Pandey**

This is a review by Reviewer 2.

📍 120

Sat Mar 29 2025

Available

**Sun - Sat (9:00am -10:00pm)**

# Future Scope

- **Multi-Mall Expansion:** The app plans to expand to include multiple malls, allowing users to explore stores, timings, and promotions across different locations.
- **Comparison Features:** Users will be able to compare stores and their offerings across malls, enabling them to make informed decisions on where to shop.
- **Personalization:** Future versions could allow users to save their favorite malls or stores, receive tailored recommendations, or get notified about specific promotions.
- **Cross-Platform Availability:** The goal is to make the app available on multiple platforms, such as iOS and Android, increasing accessibility for a wider audience.
- **Enhanced Features:** Additional features, such as interactive mall maps, store reviews, or loyalty rewards, could be integrated to enhance the user experience and drive engagement.

THANK YOU