

New Poster:

# Popcorn Picks

A one-stop shop for reviewing and discovering movies

Team 87: Kevin Dai, Gwen Mason, Yi Zhang

## About

PopcornPicks is an advanced movie recommendation platform designed to offer more than simple suggestions. With an extensive and constantly expanding movie library, plus an intelligent recommendation engine, PopcornPicks seamlessly guides users toward films that align with their unique tastes. Featuring a user-friendly, visually appealing interface, PopcornPicks enhances the discovery of movie enthusiasts, making it the ultimate tool to elevate your cinematic journey.

## Enhancements

- Integrated movie descriptions and streaming platform availability into the movie recommendation system.
- Fixed the AI recommendation system to consider important movie aspects like genre.
- Integrated a "watchlist" page, where users can seamlessly add recommendations to their watchlist and manage them.
- Fixed several milestones and tests that were promised in the previous poster but were not actually complete or integrated, as well as failing regression features.
- Significantly improved documentation as well as streamlined some of the necessary programs to run, making environment setup much more transparent

## Future Proposals

- Allow for a public chatting forum on movies to allow users to discuss
- Allow for users to reply to reviews
- Allow for other social features other than friending, like unfriending, blocking, direct messaging, profile bio, etc.
- Integrate other cinematic-related features, like associating actors to movies for recommendation, or allowing users to rate directors.



PopcornPicks : Pick a Movie!

Discover personalized movie recommendations by selecting up to 5 of your favorite films. Create a watchlist and have it conveniently sent to your email. Enjoy movies at your own pace, on your terms.

Get Started! Go to Wall! Review a Movie! Profile See your Watchlist!

**GitHub Repo:**  
<https://github.com/CSC510-Team87/PopcornPicks>

**Promotional Demo:**  
<https://youtu.be/A3n7fSBWjXI>

**Feature Demo:**  
<https://youtu.be/PFNtmKUQpv4>



# DOLLARBOT



**TEAM 20: NATHAN LORENC,  
JACOB MCDAVITT, THIEN DO**



## Our Project

DollarBot is an easy-to-use telegram chatbot that lets people manage individual and group finances.



## Benefits of Our Software

- **Group Expense Email:** Split up a shared expense and send members an email of what they owe
- **Group Expense Splitting:** Split group expenses and track them as individual.
- **Stock Portfolio:** Manage and track stocks through our interface
- **Credit Card Tracking:** Track credit card expenses and due dates
- **Currency Exchange Tracking:** Compare how two currency rates have changed over time in reference to the USD
- **AI using information:** Get insights into your stock portfolio or credit history by chatting with AI



## Future Milestones

- Incorporate improved email receipt designs
- Allow a user to connect their bank account
- LLM with API integration to allow users to run commands with natural language processing
- Notifications for reminders on what users owe and credit accounts they need to pay
- Improved group experience by sharing group information and allowing any group members to add expenses
- Improved integration of Google APIs to allow users to associate an email with their account



Showing Accounts and Credit Expenses:

account 1  
Expenses  
21-Aug-2024.Food.200.0  
17-Nov-2024.Food.10.0  
17-Dec-2024.Food.10.0  
17-Jan-2025.Food.10.0  
17-Feb-2025.Food.10.0  
17-Mar-2025.Food.10.0  
Monthly Due Date: 5  
Currently Owing: \$250.00  
No calendar currently set up

View Portfolio 9:41 AM

Here is your Portfolio: 9:41 AM

Your portfolio is worth \$7051.20 9:41 AM

copy	Stock	Shares	Buy Price	Current Price	Percent Change
	TSLA	20	\$ 352.56	\$ 352.56	0.0%



## Testing

249 Tests currently passing!  
(245 Unit + 4 System)

Check out our project!

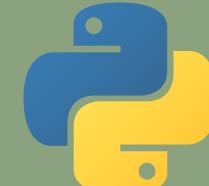
Get money tips at [greatsite.com](https://www.greatsite.com)



Repo



Demo

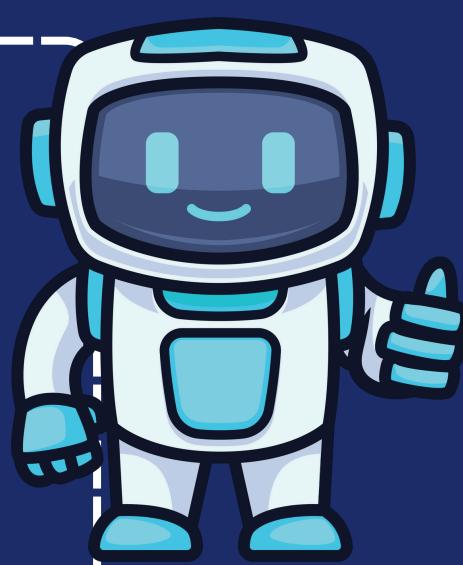


# DOLLAR BOT

Lavanya Middha, Nayan Taori, Prathamesh Thakur

## Key Features

- User Registration
- Add, Edit and Delete Expenses
- Add Friends and Share Expenses
- Add Monthly and Yearly Budget for different categories
- Real Time Alerts on Spending and Budget Goals
- Visual indicators for Daily Expenses and Budget Goals
- Integration with Telegram bot



## What's New?

- **Expense Sharing and Splitting**
  - Users can now add friends and split expenses with them
- **Notifications and Alerts**
  - Real time alerts to inform user about their monthly expenses and how close they are to reaching their budget
- **Financial Goal Setting**
  - Users can now set the long-term and short-term goals for each category
- **Visualize Expenses**
  - Visualizations to depict user expenses per category
- **Visualize Budget Goals**
  - Visualizations to compare user's long-term and short-term goals
- **Automated build Pipeline**
  - Integrated quality check tools such as Pylint, AutoPep8, EsLint, Prettier
- **Bug Fixes**
  - Fixed many bugs in UI to make it more appealing

## Code Quality

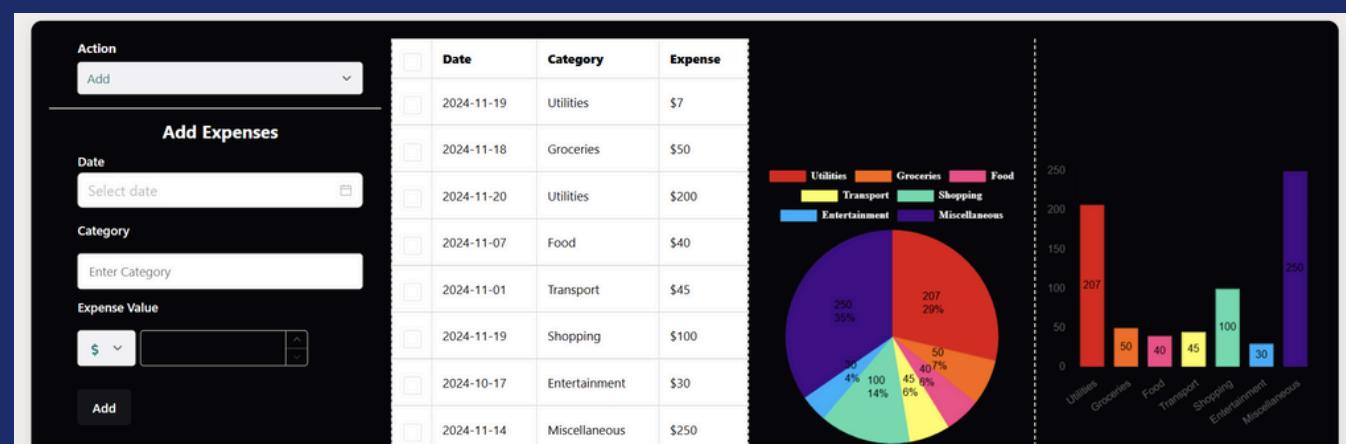
- 185 test cases
- 79% code coverage
- PyLint Score: 6.2

## Future Scope

- AI - Driven Financial Insights to predict future expense
- Integration with Financial APIs to fetch real time transactional data from bank
- Email based Notifications
- Add an NLP based bot to the website
- Use SocketIO to enable React status notifications

## Live Demo

<https://tinyurl.com/jfbaew8d>





# JobCruncher

Your getaway to new oppurtunities!



welcome to JobCruncher - designed for busy individuals balancing studies, projects, and personal interests. Our streamlined platform simplifies job searching, allowing you to quickly find well-matched roles. With an intuitive interface, you can filter job postings by title, location, company, skills, and job type.

Join today and simplify your job search—focus on what matters while we find the best roles for you!

Job Title	Company Name	Location	Date posted	Seniority level	Employment type	skills	Job Link	bookmarked
Software Engineer	Fidelity	Durham, NC	2024-10-27	Junior Level	Full-time	[C#, Angular, SQL, TypeScript/JavaScript]	<a href="#">Apply</a>	
SRE	Amazon	San Francisco, CA	2024-09-24	Senior Level	Full-time	[Azure DevOps, Kubernetes, AWS]	<a href="#">Apply</a>	
Software Engineer	TechCorp	San Francisco, CA	2024-10-17	Mid-Senior level	Full-time	[Python, Django, SQL, JavaScript]	<a href="#">Apply</a>	
Software Engineer, New Grad	DL Learning	Raleigh, NC	2 days ago	Not Applicable	Full-time	[Linux, React, Node.js, Python, Java]	<a href="#">Apply</a>	

## 3 ways this software (Version i) is better

1.Unleash the Power of AI with Resume Analyzer! Struggling to get noticed by recruiters? Let Resume Analyzer boost your chances!

- Analyze your resume against job descriptions in seconds.
- Get ATS-friendly scores to ensure your resume passes automated screenings.
- Discover your matching percentage for your dream job.
- Receive actionable insights to enhance your resume and stand out.

2.Boost Your Account Security with Two-Factor Authentication! Worried about unauthorized access? Let JobCruncher's Two-Factor Authentication safeguard your personal information!

- Verify your identity with an email-based One-Time Password (OTP) during signup and login.
- Resend OTPs effortlessly if you didn't receive them—no interruptions to your experience.
- Confirm your email address to enhance account authenticity and security.
- Enjoy peace of mind knowing your account is protected with an extra layer of security.

3.Stay Ahead with Personalized Job Notifications! Don't miss out on opportunities that fit you best! Let JobCruncher's Email Notifications keep you in the loop!

- Receive timely alerts about new job postings tailored to your preferences.
- Set personalized criteria to match your career goals and interests.
- Get direct inbox notifications so you never miss a relevant opportunity.
- Streamline your job search for maximum efficiency and convenience.

## How It Works

- Profile Setup:** Quickly set up an account to personalize your experience and securely manage your information.
- Explore Jobs:** Filter job postings based on specific criteria—such as title, location, company, skills, and job type—to easily find relevant roles.
- Stay Updated:** Get fresh listings daily with up-to-date job information, saving you the hassle of constantly searching.
- Analyzer your Resume:** Analyze your resume and get actionable insights.

## Implementation milestone for Version i + 1

- Containerization with Docker:** Use Docker to containerize the JobCruncher application, ensuring consistency across development, testing, and production environments. This simplifies deployment and dependency management, reducing environment-related issues.
- Recruiter Portal:** Introduce a portal for recruiters to post jobs, manage applications, and interact with candidates. This facilitates direct communication between job seekers and recruiters, streamlining the hiring process within JobCruncher.
- Advanced Data Scraping Mechanisms:** Implement sophisticated scraping techniques to aggregate job postings from various online sources in real-time. This expands the job database, offering users more comprehensive and up-to-date job listings.
- Orchestrated Deployment with Kubernetes:** Utilize Kubernetes to automate deployment, scaling, and management of the containerized application. This allows JobCruncher to efficiently handle increasing user loads with robust load balancing and self-healing capabilities.
- Advanced Job Matching Algorithm:** Enhance the job recommendation system with machine learning algorithms that better understand user preferences and skills. This delivers more accurate and relevant job suggestions, improving user satisfaction.



**93**  
Testcases

**Group 60**

- Apurv Choudhari
- Prabhudatta Mishra
- Sankar Raghuthaman



# VogueX

## FASHION RECOMMENDER

VogueX offers personalized outfit recommendations tailored to your style, occasion, and weather. Whether it's sunny or rainy, stay appropriately dressed with weather-based suggestions. Filter options by gender, culture, age, and occasion to find looks that suit you. Discover top e-commerce deals, shop



REPO

DEMO



## WORKFLOW

- Login/Signup:** Users create an account via the signup portal, verify their email through OTP, and are redirected to the home screen upon success.
- Home Screen:** Displays an overview of features and provides navigation through a user-friendly navbar.
- Personalized Fashion Recommendation:** Suggests outfits based on user details (gender, age, culture, occasion) and weather, including festival-specific attire.
- Shopping Websites:** Generates tailored outfit lists and links to shopping sites for purchasing.
- Favorites Management:** Lets users save favorite outfits for future reference and streamlined shopping.
- Logout:** Enables users to log out anytime, returning to the start screen.

## UPGRADES



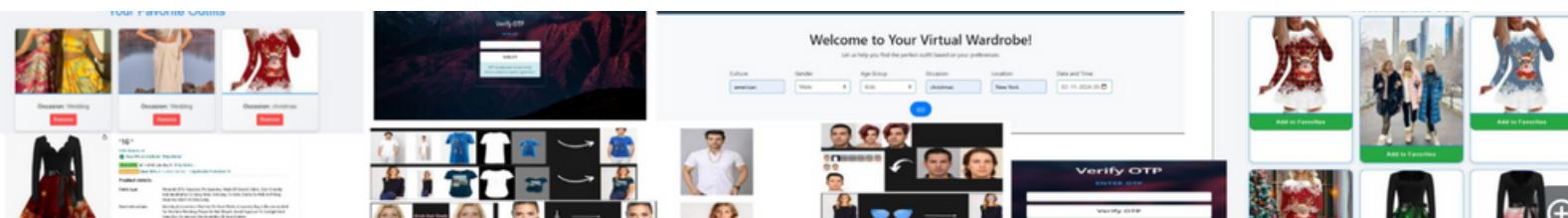
- Image-Based Styling:** Users can upload clothing images to receive styling tips and matching outfit suggestions.
- Color Palette Suggestions:** Added occasion and culture-based color palette recommendations using the Gemini API.
- Search Attribute Display:** Displays search filters (e.g., occasion, culture) above the results page for better clarity.
- Accessory Recommendations:** Suggests accessories like umbrellas, coats, or glasses based on weather, occasion, and culture.
- Enhanced Test Coverage:** Achieved 90% test coverage for improved reliability.
- UI Improvements:** Updated design for smoother navigation and better user experience.
- Advanced Recommendations:** Improved suggestion accuracy with the Gemini API for outfits and accessories.
- Google Sign-In:** Added Google authentication alongside email and password login for easier access.



## FUTURE ENHACMENTS



- AI Styling:** Use advanced AI for precise styling based on image patterns and textures.
- Weather Alerts:** Add push notifications for outfit updates based on real-time weather.
- AR Try-On:** Integrate AR for virtual outfit and accessory previews.
- Social Sharing:** Enable sharing try-on results on social media for feedback.
- Advanced Filters:** Introduce filters for price, fabric type, and sustainable options.
- Seasonal Suggestions:** Add recommendations for seasons and specific events.
- Sustainability Metrics:** Highlight eco-friendly fashion choices.
- Voice Assistance:** Add voice or chatbot features for hands-free interaction.
- Trend Insights:** Provide personalized updates on fashion trends.





# BURNOUT

Your Wellness Companion

GROUP 71

ANSH GANATRA  
SAI TARUN YELLAMRAJU  
YASH MOR

## V4.0 - WHAT WAS

Burnout is an application designed to help users manage their daily calorie intake and expenditure as well as drinking habits. It also serves as a hub where users can participate in eclectic exercises like yoga, dance, swimming, etc.

## WHY USE BURNOUT?

1. Displays a record of calories in and calories burnt out day wise in History tab.
2. Enrollment into all kinds of comprehensive workout routines and programs.
3. Users have the ability to watch tutorials for all the exercises and mark their favorite ones.

## FEATURES

1. Calorie Tracking
2. Fitness Programs
3. BMI Calculator
4. Activities Profile

## TECH STACK



## V5.0 - WHAT'S NEW



**1. Complete UI Revamp:** The user interface has been enhanced to give a better feel and look. New navigation links have been added for features.

**2. Timing your workouts:** Users can now leverage the in-built timer for recording their workout sessions.

**3. Achievements:** Users now unlock achievement badges on enrolling and completing workouts. Different levels of achievements exist within each workout, get started today!

**4. Meditation & Breathing exercises:** Now featuring new guided meditation and breathing exercises boosting mental health alongside physical fitness.

**5. Sharing achievements:** Why not flaunt your fitness journey with the rest of the world? You can now share your achievements to social media platforms with just a single click!

## FEATURES

1. UI Revamp
2. Built-in Timer
3. Achievements
4. X.com Integration

## FIND US HERE!



## V6.0 - WHAT'S NEXT?

Although the application is seamlessly serving above and beyond its initial expectations, after coming across various enhancements that have been implemented in version 5.0, we have realized that there are many more upgrades that can be incorporated in the next release, one of those being additional social media share options for each of the user's achievements.

## FUTURE SCOPE

1. **Tech Debts:** Modularizing the application to flatten the file structure and remove entire dependency on a single file.
2. **Enforce security and privacy protocols:** Password and user data is currently not rigorously validated which can be improved upon in the next version.
2. **Expanding Achievements:** Multiple workout categories can be combined and badges can be issued for various permutations and combinations.



## We understand that being a student can be challenging.

Join our dynamic team right here on campus. Earn, learn, and be part of the community that powers your daily essentials. Apply now and shape your campus experience!

[Sign Up](#)

OR

[Login](#)


## Overview

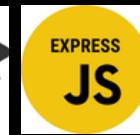
WolfJobs is a dynamic platform that simplifies job exploration and application for students, while empowering employers to find top talent quickly. With a modern React interface, secure JWT authentication, and a fast, scalable backend, students can easily browse jobs, manage applications, and receive real-time notifications. Employers can post jobs, review candidates, and streamline recruitment—all in one seamless, user-friendly platform.

## Why Choose Us

- Database Migration:** Transitioned from local MongoDB to cloud-based MongoDB for easier scalability and maintenance.
- Email Services:** Implemented acceptance and rejection emails to be sent to applicants at all levels of the application review process.
- Deadline-Based Filter and Tags:** Introduced a filter to sort applications by approaching deadlines and added tags displaying the number of days remaining until the deadline, helping users effectively prioritize their application process.
- Job Management for Managers:** Added features that allow managers to edit and delete job details after posting, providing greater flexibility and control over job listings.
- Database Security and Enhancements:** WolfJobs now securely stores the password and the user information in the database, safeguarding user data through password hashing.
- Browser Extension:** Developed a browser extension that integrates with the cloud MongoDB database to display job pop-ups linked to job titles on our platform, enhancing user experience and accessibility.
- Application Status Tracking:** Enhanced features to display real-time application statuses—Not Applied, Accepted, Rejected, or In-Review—on the applicant's end, ensuring transparency at every stage of the process.
- Extensive Testing:** Conducted thorough testing on both front-end and back-end to ensure reliability, including a comprehensive set of 85+ test cases for key routes, job postings, etc.
- Scalability:** Design allows seamless adaptation to increasing volumes of job reviews and feedback.
- Well-Documented Code:** Comprehensive system documentation along with inline docstrings and comments, how-to-use tutorials, equips developers with clear guidance for navigating the codebase.
- Effortless Solutions with Our Technology Stack:** We utilize cutting-edge technologies like Node.js Express.js, React, Typescript and Cloud MongoDB along with tools like ESLint and Prettier, to ensure clean, maintainable code and a seamless development process.

## Pathway to Progress: Future Milestones

- Interview Appointment Scheduling:** WolfJobs can also provide the facility for the hiring manager to organize an interview appointment for the job based on the applicant's availability and convenient time uploaded by the hiring manager. Either of the users can upload their availability time in the G-sheet and using Google Calendar appointments can be organized.
- Browser Extension Enhancement:** Extend the browser extension to be integrated with the backend and show the complete job pop-up. Additionally, add an auto-fill feature based on the job information that would simplify data entry, enhancing user-friendliness and efficiency.
- Community Features:** Introduce a forum or discussion board where users can share experiences, ask questions, and provide advice on job applications and interviews. This could foster a community around job hunting and reviews.
- Mobile Application Development:** Develop a mobile version of the CampusJobReview platform to allow users to access job listings, submit reviews, and receive notifications on the go, enhancing accessibility and user engagement.
- Chatbot Integration:** An LLM powered chatbot will be integrated in the application to help students getting informed analytics over past applications as well as improving the applications.



85+ Backend & Frontend Test Cases

# Wolflease

## Current Additions

- Dockerized implementations for simpler deployment
- Backend hosted on Render
- Frontend hosted on Streamlit
- Review systems for users to add reviews to flats
- Filter system for filtering the Good, Bad and Average reviews.
- AI-based personalised profile matching for finding better roommates

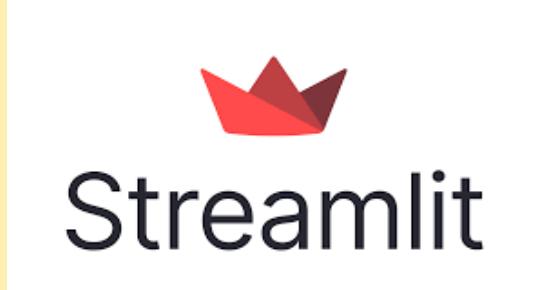
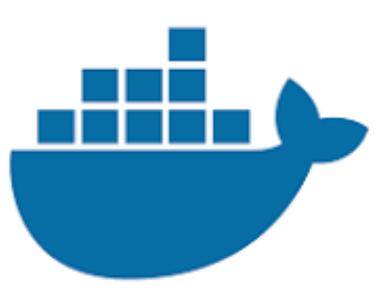
[Github Repository](#)



[Website - Wolflease](#)



## TECH STACK



**django**

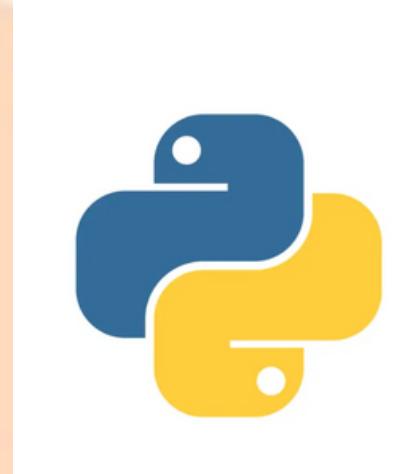
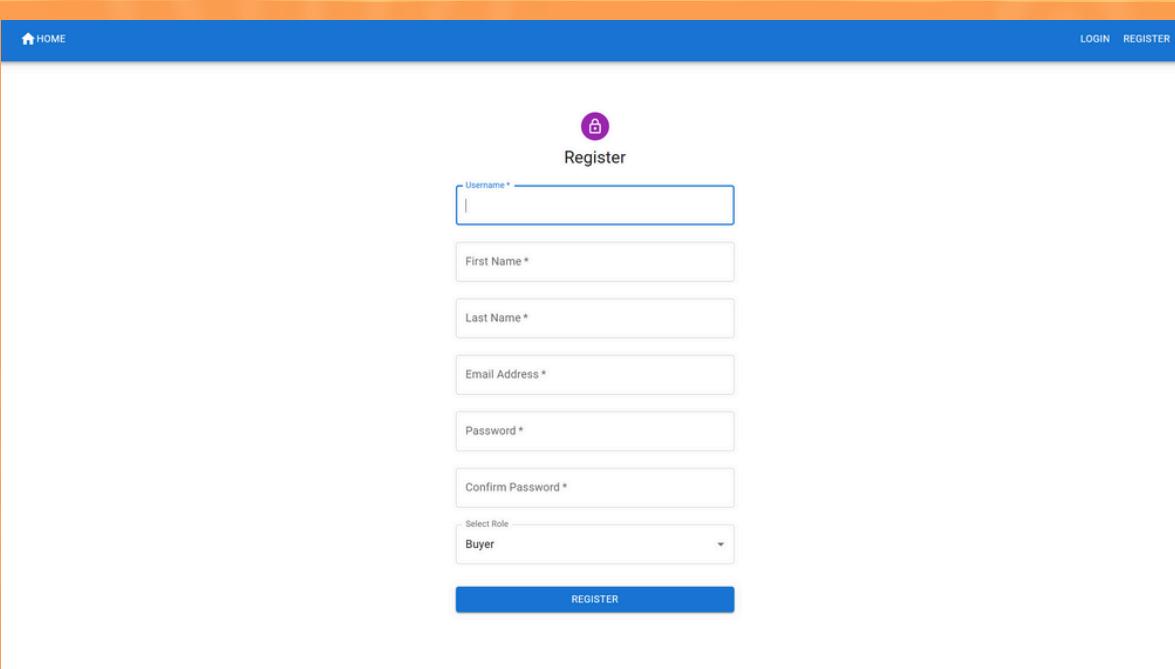
SQLite

- ## Future Scope
- Implement a messaging system for potential flatmates or renters to communicate with owners.
  - Integrate with external services like google maps and weather to increase interactive functionality
  - Include enhanced search functionality for location, price range, and amenities.



# SLASH

Your one-stop hub to compare, track, and snag the best deals across top e-commerce platform saving you time and money effortlessly!



Product List

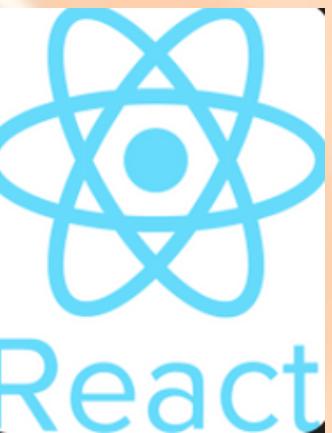
- Dell Latitude Laptop 14" HD Notebook PC i5-9265U UP TO 32GB 2TB M.2 WIN 10 OR 11
- Lenovo ThinkPad T15 Laptop 15.6" FHD Core i5-1135G7 32GB RAM 1TB SSD Windows 11
- Lenovo ThinkPad T490s 14" FHD Laptop Core i5 8GB RAM 512GB SSD Windows 11 WiFi
- Dell Latitude Laptop Light Gaming PC Core i5 16GB RAM 512GB SSD Windows 11 Pro
- ASUS Vivobook S 14 OLED Laptop S540HMA-AS96 Notebook Ultra 9 16GB 1TB SSD NEW
- Razer Blade 15 2020 Laptop RZ09-0328 RTX 2060 i7-10705H 16GB RAM 512GB

SEARCH

Current Postings

You do not have any postings currently. Click here to [+ ADD ONE](#).

{REST:API}



ShoppingCart

- SANPENT 15.6 inch 1080p FHD Laptop Computer 16GB RAM 512GB SSD with 4 Core Intel Celeron N5095, FingerPrint, Backlit Ke
- Windows 11 Pro
- Price: 300
- [View Product](#)
- Lenovo ThinkPad T15 Laptop 15.6" FHD Core i5-1135G7 32GB RAM 1TB SSD Windows 11
- Price: 430
- [View Product](#)
- Lenovo ThinkPad T490s 14" FHD Laptop Core i5 8GB RAM 512GB SSD Windows 11 WiFi
- Price: 239
- [View Product](#)

Total Cost: \$969.00

BUY

## TEST CASES

**Frontend Tests:** Frontend tests ensure that the user interface displays search results and product details correctly. They also validate the responsiveness of the website across devices and test features like adding items to the Wishlist or cart.

**Backend Tests:** Backend tests verify accurate data scraping from platforms like Walmart, BestBuy, and Target. They also ensure proper database operations for storing user preferences, wish lists, and cart details.

**Integration Tests:** Integration tests confirm seamless communication between the frontend and backend systems. They validate that user actions, such as adding items to the cart, are reflected in both the UI and database.

## IMPROVEMENT MADE

- Role-Based Login:** A role-based login system was implemented to differentiate between sellers and buyers. Sellers are provided with functionalities to list and sell their products, while buyers can search for items, add them to a Wishlist, add them to a cart, and make purchases. Add to Cart and Order Placement:
- An "Add to Cart" feature was introduced, enabling users to add items directly from the search results or Wishlist. Additionally, functionality for placing orders was implemented, streamlining the buying process.

### Enhanced Search Functionality:

- The search feature was upgraded to include products listed by individual sellers in the results. Additionally, Walmart scraping issues were resolved, ensuring accurate and comprehensive product listings.

## FUTURE SCOPE

- AI-Powered Personalization:** Implement machine learning algorithms to provide personalized product recommendations, dynamic pricing, and tailored search results based on user behavior and preferences.
- Real-Time Price Tracking:** Enable real-time price monitoring for products across different platforms (e.g., Walmart, BestBuy, Target) to help users find the best deals instantly.
- Advanced Search Features:** Introduce semantic search, faceted navigation, and synonym detection to improve search accuracy and user experience. Include autocomplete with product thumbnails and prices for faster browsing.
- Seller Marketplace Integration:** Allow sellers to manage inventory directly on the platform. Include analytics tools for sellers to track sales performance and customer engagement.



SCAN ME FOR DEMO!

## TEAM MEMBERS:

Swaraj Kaondal  
Sai Sameer Guttha  
Shourya Nanda Kumar

Unleash your career Potential with

# WOLFJOBS



## ABOUT US

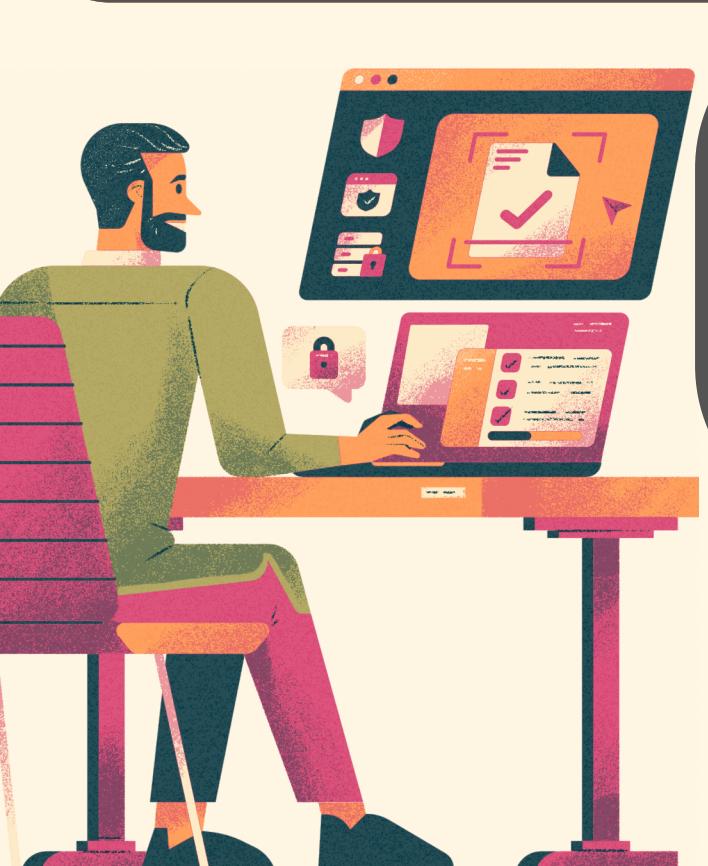
WolfJobs is your go-to job application tracker, simplifying your career journey. Manage internships, part-time gigs, or full-time roles effortlessly. Upload resumes, track deadlines, and connect with recruiters—all in one place. Take control of your career and land your dream job with confidence!

## NEW FEATURES

- Matched Jobs:** Find personalized job recommendations with match percentages to prioritize your applications.
- Cover Letter Generation:** Create tailored cover letters effortlessly for your job applications.
- Advanced Filters:** Find jobs that match your skills and preferences with powerful filters.
- Save Jobs:** Bookmark and revisit job listings anytime.
- Notification System:** Applicants will now be notified when new jobs are posted.
- Enhanced UI:** The user interface has been improved for a more seamless job search experience

## WHY CHOOSE WOLFJOBS

- Relevant and Impactful:** Solves a universal need for efficient job application tracking.
- Feature-Rich:** Includes resume parsing, cover letter generation, and chatbot integration.
- Practical Tools:** Offers real-world solutions like job scraping and recruiter-applicant interaction.
- High Demand:** Meets growing market needs for streamlined job search tools.



SCAN  
FOR  
REPO



SCAN  
FOR  
DEMO

## TECH STACK

- REACT
- NODE.JS
- EXPRESS.JS

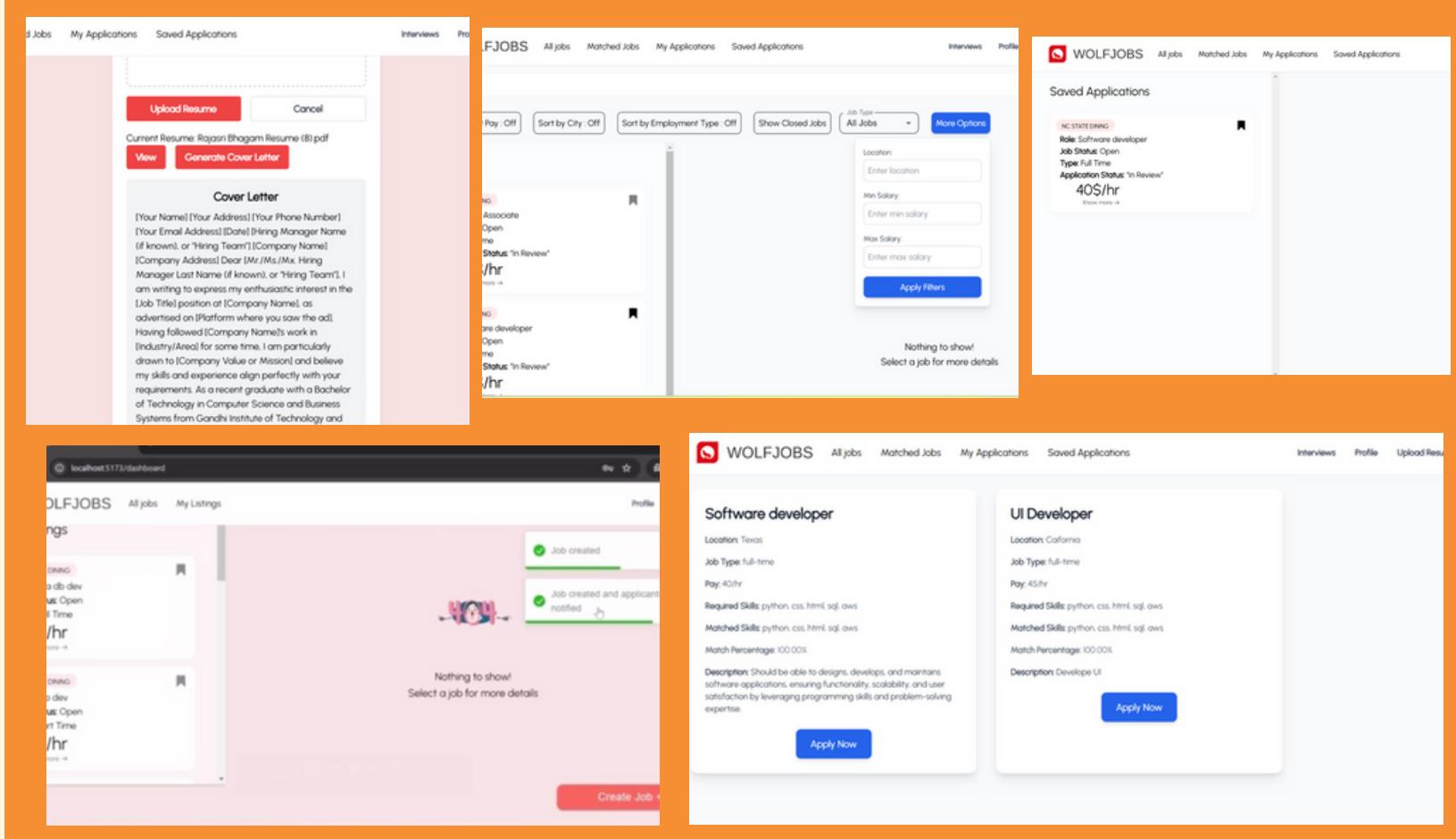


TS

- MONGODB
- RESTAPI
- TYPESCRIPT

## FUTURE SCOPE

- Webscraping for University Jobs:** Automate job collection from university career portals, providing students with up-to-date, relevant opportunities.
- Scalable Deployment:** Use cloud infrastructure (AWS, Azure, etc.) for seamless performance, auto-scaling, and optimized database operations.
- Chatbot Integration:** Enable real-time recruiter-applicant communication with an AI chatbot for FAQs, interview scheduling, and personalized recommendations.
- Video Interview Submissions:** Managers can request applicants to submit video responses for screening questions. Applicants can easily record and upload their videos through the portal.



USED 100+  
TESTCASES TO  
ENSURE MAXIMUM  
RELIABILITY

GROUP 49

SHANMUKA VENKATA SAI SATWIK PALAKURTY,  
SAISUMANTH TALLAPRAGADA,  
RAJASRI BHAGAM



# SENTIMENT ANALYZER PRO

## TESTING STRENGTHS

This project features a comprehensive testing suite with 70+ test cases to ensure reliability and resilience. Key areas include:

- Authentication:** Validates login, registration, form handling, CSRF protection, and logout.
- News Scraping:** Tests URL retrieval, article relevance, summaries, and error handling for invalid inputs.
- Cache Management:** Ensures cache creation, structure, recovery, and integrity during concurrent access.
- Sentiment Analysis:** Verifies sentiment scoring for positive, negative, and neutral text, including edge cases.

## NEW FEATURES

### Docker-Ready Deployment:

- Seamless deployment across any platform with our containerized solution, ensuring consistent performance and easy scaling while eliminating "it works on my machine" problems.

### Intelligent Caching System:

- Blazing-fast sentiment analysis with our smart caching mechanism that remembers previous analyses, reducing response times for repeated queries while conserving computational resources.

### Batch Processing Power:

- Process multiple texts simultaneously with our new batch analysis feature, enabling efficient sentiment analysis of numerous texts - perfect for large-scale sentiment mining.

### Reddit Integration:

- Tap into the pulse of social media with our Reddit sentiment analyzer, providing deep insights into community opinions and trends across any subreddit or topic of your choice.



REPO

## IMPLEMENTATION MILESTONES

### Advanced Analytics

- Goal:** Provide deeper sentiment insights through sophisticated analysis techniques
- Plan:** Add emotion detection, comparison tools, and auto-generated reports

### Competitor Analysis Module

- Goal:** Enable users to compare sentiment across different brands or products
- Plan:** Add competitor tracking and implement comparative visualization.

### Custom Model Training

- Goal:** Allow users to train sentiment models specific to their industry or needs
- Plan:** Add model customization interface, implement training pipeline, create validation tools.

## DEMO:



- Scan the QR code to watch the demo video.
- Below are snapshots of the running systems. screen snaps of the running system.

About   Product Analysis   News Analysis   Live Speech   Text Analysis   Batch Analysis   Doc. Analysis   Audio Analysis   Social Media   Image Analysis   Logout

Upload a reddit post or tweet link and Sentiment Analyzer Pro will analyze the comments and report back the sentiments.

Upload an Image and Sentiment Analyzer Pro will analyze the image and report back the sentiments felt by the person like happy, sad, etc.

Sentiment Analyzer Pro

Title: Say what country your from using 2 words an I will guess it, Body: , Thanks for submitting(<https://www.youtube.com/watch?v=BH5ok9nRjmU>) to the r/JackSucksAtGeography subreddit!  
You can join our Discord server, here(<https://discord.gg/DzPuRQM>).  
\*I am a bot, and this action was performed automatically. Please contact the moderators of this subreddit(/message/compose/?to=r/JackSucksAtGeography) if you have any questions or concerns.\*. united states, burgers, guns, im american, Maple Syrup, Paprika & socialism, 2nd amendment, New Zealand, Quintuple cheeseburger, baseball champion



dj

{.js}

JavaScript



HTML5

MySQL®

Product Analysis  
Paste Amazon URL:  
  
Analyze

Sentiments Distribution

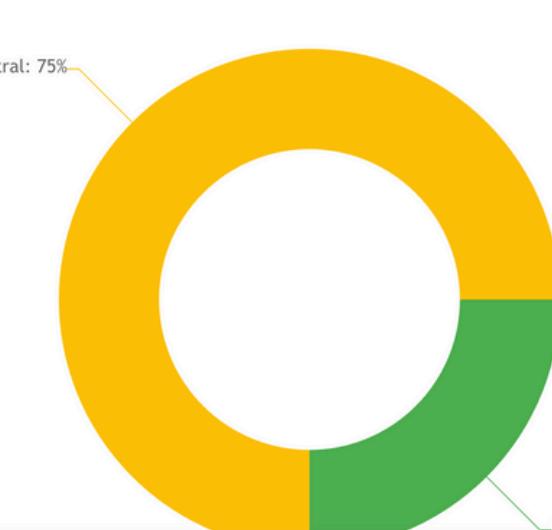


Image Analysis  
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# WolfJobs

OPPORTUNITIES THAT WORK FOR YOU



GROUP 80

## INTRODUCTION

Welcome to WolfJobs! The ultimate platform connecting NCSU students with diverse on-campus job opportunities. Whether you're a student looking for flexible roles or a manager searching for top talent, WolfJobs offers a user-friendly experience designed for success. With persistent sessions, enjoy uninterrupted state management across pages. Targeted notifications keep applicants informed about their application status. Students can now apply to multiple roles with expanded application flexibility and submit additional documents, such as cover letters and schedules, alongside resumes. Dynamic questionnaires empower recruiters to tailor assessments to job-specific needs, while resume keyword insights help students optimize their resumes based on job descriptions. WolfJobs delivers an efficient and personalized experience for students and employers alike, fostering seamless and effective on-campus recruitment.

## VALIDATION SUITE

With 61 comprehensive test cases, WolfJobs ensures seamless performance, rigorously testing newly implemented features like dynamic questionnaires, resume keyword insights, and additional document uploads, along with core functionalities like user registration, login, and application submission.

## CURRENT VERSION HIGHLIGHTS (VERSION II)

### RESUME KEYWORD INSIGHTS

Identifies missing keywords in resumes to improve alignment with job descriptions.

### EXPANDED APPLICATION FLEXIBILITY

Supports multiple users applying to the same job for smoother recruitment.

### ENHANCED STATE MANAGEMENT

Ensures seamless user sessions with real-time updates and persistent navigation.

### ADDITIONAL DOCUMENTS UPLOADS

Enables candidates to upload cover letters alongside resumes for comprehensive applications.

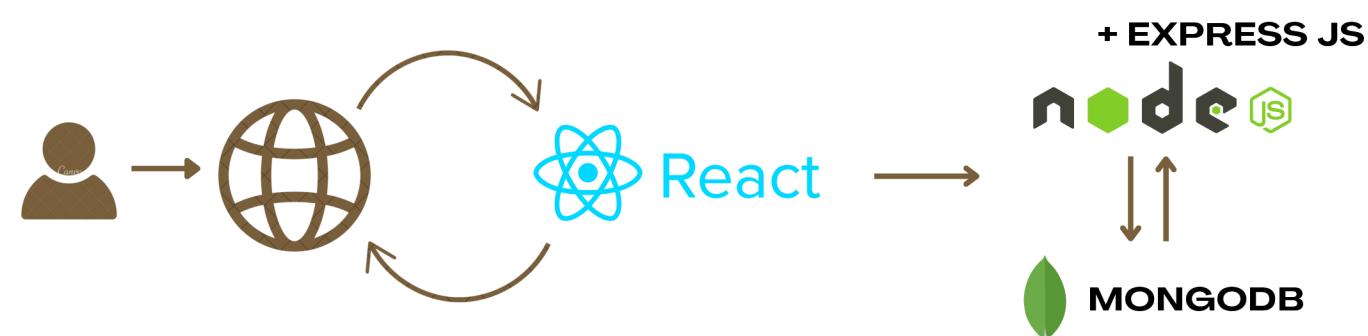
### DYNAMIC QUESTIONNAIRES

Allows recruiters to customize the type and number of questions for tailored assessments.

### 5 WAYS WOLFJOBS IMPROVES THE USER EXPERIENCE (HOW VERSION II IS BETTER)

1. Cover letter uploads let candidates showcase more details about their qualifications.
2. Dynamic questionnaires align candidate assessments with specific job needs.
3. Keyword insights help applicants tailor resumes for better ATS compatibility.
4. Expanded flexibility allows multiple candidates to apply for the same job seamlessly.
5. Enhanced state management ensures uninterrupted and consistent user experiences.

## PROJECT ARCHITECTURE



### Create New Job Listing

- Add details
- Fill Questionnaire
- Preview
- Confirm

### Add Questions

## PROPOSED EXTENSIONS (VERSION III)

### SKILL ASSESSMENT AND CERTIFICATION

Offer skill tests and certifications to validate student competencies and enhance their profiles.

### VIDEO INTERVIEW INTEGRATION

Enable employers to schedule and conduct interviews seamlessly using integrated video conferencing tools.

### CHATBOT SUPPORT

Introduce a chatbot for real-time guidance, troubleshooting, and instant answers to enhance user experience.

### ADVANCED ANALYTICS DASHBOARD

Provide employers with insights like applicant demographics, hiring trends, and qualification statistics for data-driven decisions.

### AI-POWERED JOB RECOMMENDATIONS

Leverage machine learning to suggest relevant job opportunities based on user profiles and application history.

DEMO  
LINKGITHUB  
REPO LINK



**Academic Guide**  
Dr. Timothy Menzies  
Professor  
[tjmenzie@ncsu.edu](mailto:tjmenzie@ncsu.edu)

# Movie Recommender

2.0

Master of Science, Department of Computer Science  
North Carolina State University

**Team Members**  
Raj - [rbpatel4](#)  
Meet - [mvora2](#)  
Vihar - [vshah23](#)



## ABSTRACT

The Movie Recommender 2.0 is an advanced, collaborative filtering-based system designed to recommend personalized movie suggestions based on user preferences. By evaluating key movie attributes such as genre, cast, director, and user ratings, the system tailors recommendations to provide a unique and engaging movie-watching experience. The system continuously refines its recommendations using feedback loops to ensure that each suggestion aligns with individual tastes. With a clean, user-friendly interface and an optimized back-end, Movie Recommender 2.0 simplifies the process of discovering the perfect movie, making every movie night a hit.

## ENHANCEMENTS

### Expanding Movie Data

Our Phase 4 test expanded the dataset to include 87k movies and 32M ratings (compared to the original 9k movies and 100k ratings). While not implemented, future phases will refine sampling methods to seamlessly integrate this data, creating a richer and more diverse recommendation pool. This will improve recommendation quality with more diverse options.

### Smarter Recommendations

Speed is crucial for a seamless experience. Our system will undergo backend optimizations to significantly enhance the response time of movie recommendations. With faster performance, users will enjoy instant results, ensuring smooth navigation and uninterrupted enjoyment.

### Enhanced Profiles

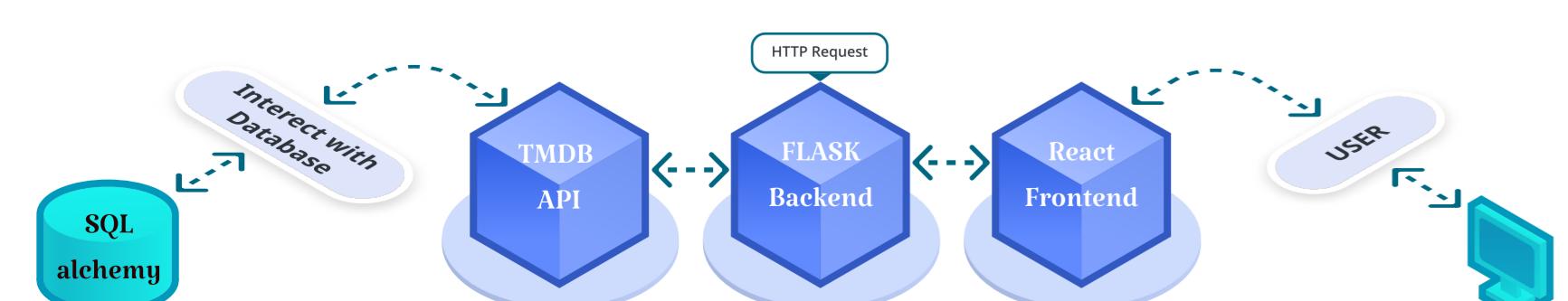
The user profile will be redesigned to offer a more organized and visually appealing layout. It will neatly categorize **liked**, **disliked**, and **saved movies**, allowing users to revisit their favorites or manage their movie lists with ease. This enhancement will make personalization more intuitive and provide a richer, more engaging experience for every user.

### Smart Navigation

We're introducing a feature that allows users to **explore movies by clicking on directors, actors, or genres**. With a simple click, users can access a curated list of movies tailored to their interests, whether it's following a favorite actor's career or diving into a specific genre. Additionally, the traditional search bar will be replaced with dynamic, **personalized suggestions** on the home page.

### Simplified Workflow of Movie Recommender

From user input to personalized recommendations—streamlining the movie discovery!



## What Makes Us Stand Out?

Movie Recommender 2.0 isn't just another recommendation engine—it's your ultimate movie companion! 🎬 With a sleek, React-powered interface and a backend optimized for speed and accuracy. We've prioritized quality and reliability by introducing 80 robust test cases—a leap from the 19 in previous iterations—to ensure seamless functionality and a bug-free user experience. Our refined machine learning algorithms and clean data guarantee recommendations you can trust. Choose us to make every movie night effortlessly perfect!



## INTRODUCTION

### What they had!

In previous phases, the system offered a basic movie recommendation functionality, relying on collaborative filtering and minimal test coverage. While it successfully provided recommendations, the experience was limited by:

1. Frequent issues with broken or mismatched movie posters.
2. Lack of detailed movie attributes, such as cast and director information. A cluttered, less intuitive user interface.
3. A smaller dataset, restricting the diversity and relevance of recommendations.

### FUNCTIONALITY & USER INTERFACE

The user interface features a dark-themed dashboard with a central grid of movie cards. Each card displays a movie poster, title, rating, director, cast, and genres. Below each card are three interaction icons: a heart for 'Like', a thumbs-down for 'Dislike', and a clock for 'Save'. A 'WATCH TRAILER' button is also present. The interface includes a search bar at the top left, a navigation bar with 'CINEFLIX' and 'LOGOUT' at the top right, and a sidebar on the left labeled 'Search the Most Amazing Movies' with a magnifying glass icon. Callout boxes with arrows point to specific elements: 'Like it ❤️ if you loved it' points to the heart icon; 'Aww, don't like the Movie' points to the thumbs-down icon; 'Watch it Later' points to the clock icon; and 'Visit Us Again' points to the 'LOGOUT' button.

## TECHNOLOGY STACK



## Future Scope

Enhance the project by integrating streaming platform connections for platform-specific recommendations and direct viewing links, and by leveraging advanced AI models and user feedback for refined, evolving personalization. Add a social layer for sharing recommendations, creating collaborative watchlists, and community reviews. Launch a mobile app for seamless, and access with push notifications for new releases.

## SCAN ME



Github



Live demo

# CSC 510 Software Engineering

## Group 14



TO - DONE

### Introduction

- To-Done is an easy to use web based task managing system where you can create new tasks in set lists. Tasks are assigned a start date and a due date and can have notes and colors added to them. Tasks can also be assigned priority. Lists are the organization tool used to hold tasks, and they can be organized via tags. We have over 89 tests to ensure code quality.

### Improvements done by us:

- Fixed Daylight Saving Time Issue:
  - Resolved time discrepancies caused by daylight saving changes, ensuring accurate task scheduling.
- Email Notifications:
  - Added email reminders for tasks, ensuring users never miss important deadlines.
- Google Calendar Integration:
  - Seamlessly sync tasks with Google Calendar for easy access and better organization.
- Shared Lists Among Users:
  - Users can now collaborate by sharing task lists with others, making teamwork efficient.
- UI Improvements:
  - Enhanced user interface for a more intuitive and visually appealing experience.

### Future scope:

- Containerization:
  - Implement containerization for easier deployment, scaling, and maintenance, ensuring a more robust and flexible app infrastructure.
- User Authentication via OTP:
  - Introduce One-Time Password (OTP) authentication for enhanced security, providing a safer login experience.
- Progress Tracking:
  - Add progress tracking features, allowing users to visually track their task completion and set milestones.
- Mobile App/Browser Extension:
  - Develop a mobile app and browser extension for on-the-go task management, providing seamless access across all devices.

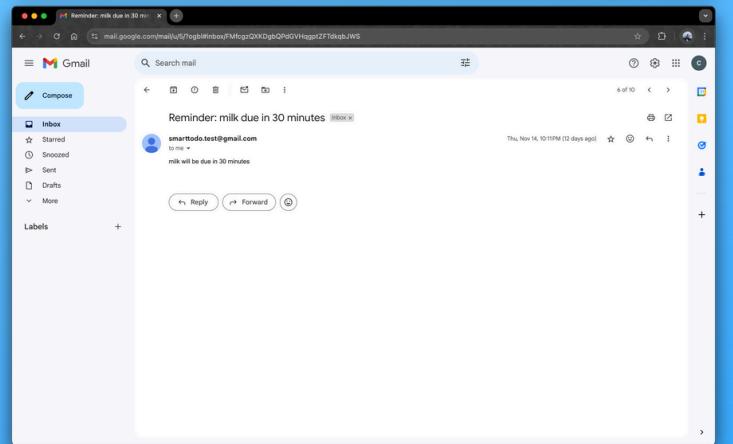
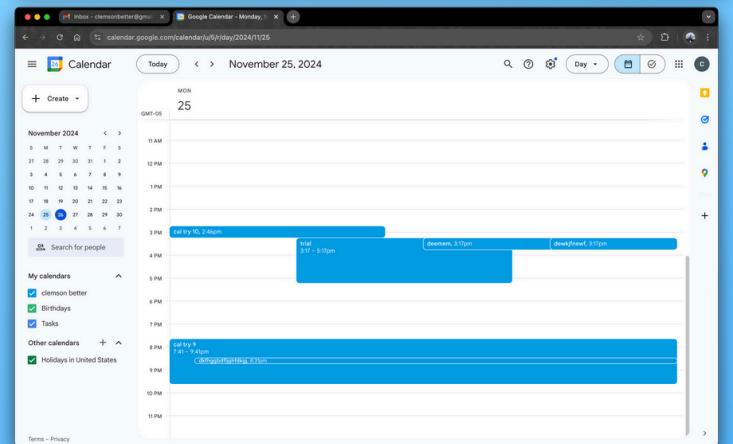
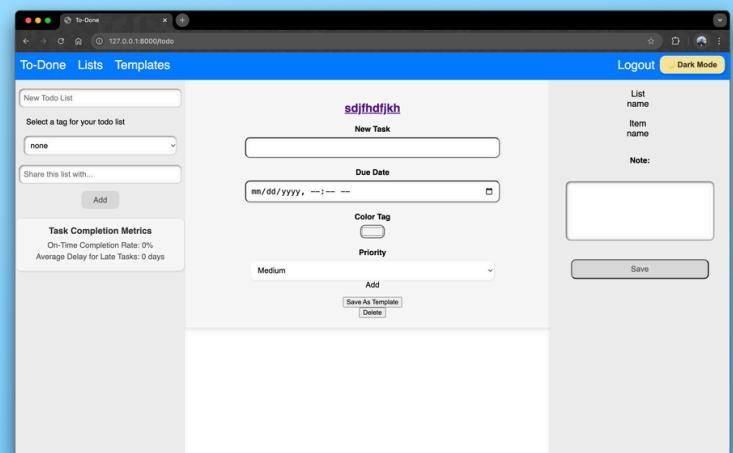
The project has 94 test cases, to check functionality and reliability across critical components of the grievance management system!

### Group Members:

Devyash Keyurbhai Shah

Smit Sunilkumar Raval

Vatsalkumar Dharmendrabhai Patel



### GITHUB





# BURNOUT

*Get Fit, Get Strong, Get Healthy!*

**Group no: 59**

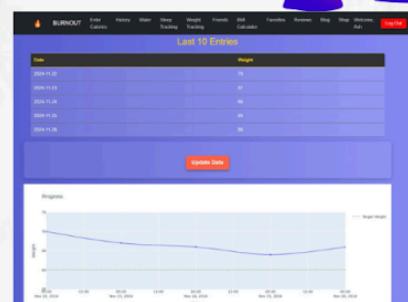
Abishek Viswanath Pittamandalam  
Ishwarya Anandakrishnan  
Ashwinkumar Manickam Vaithianathan

## 1 Welcome to BurnOut!

BurnOut is a wellness application designed to help users manage their daily calorie intake and expenditure as well as suggests workout routines that will help the user to maintain good health.

## 2 Why BurnOut?

- BurnOut provides workout programs tailored to your goals, including swimming, yoga, dance.
- Work out anytime, anywhere—even on a busy schedule or while traveling.
- Track weight, workouts, nutrition, steps, and sleep to stay motivated and on track.

## 3 What's new?



- Automatically categorize meals into breakfast, lunch, dinner, or others, making meal tracking faster and more intuitive.
- Track weight and compare actual progress with target goals.
- Receive personalized meal and workout suggestions for balanced health goals.

## 4 Future Milestones!

- Enhance fitness planner to create advanced fitness routines by including the user's dietary preferences, age and health.
- Create a mobile app for this application so users can use it across all devices.
- Create a steps tracker so that user can count daily steps



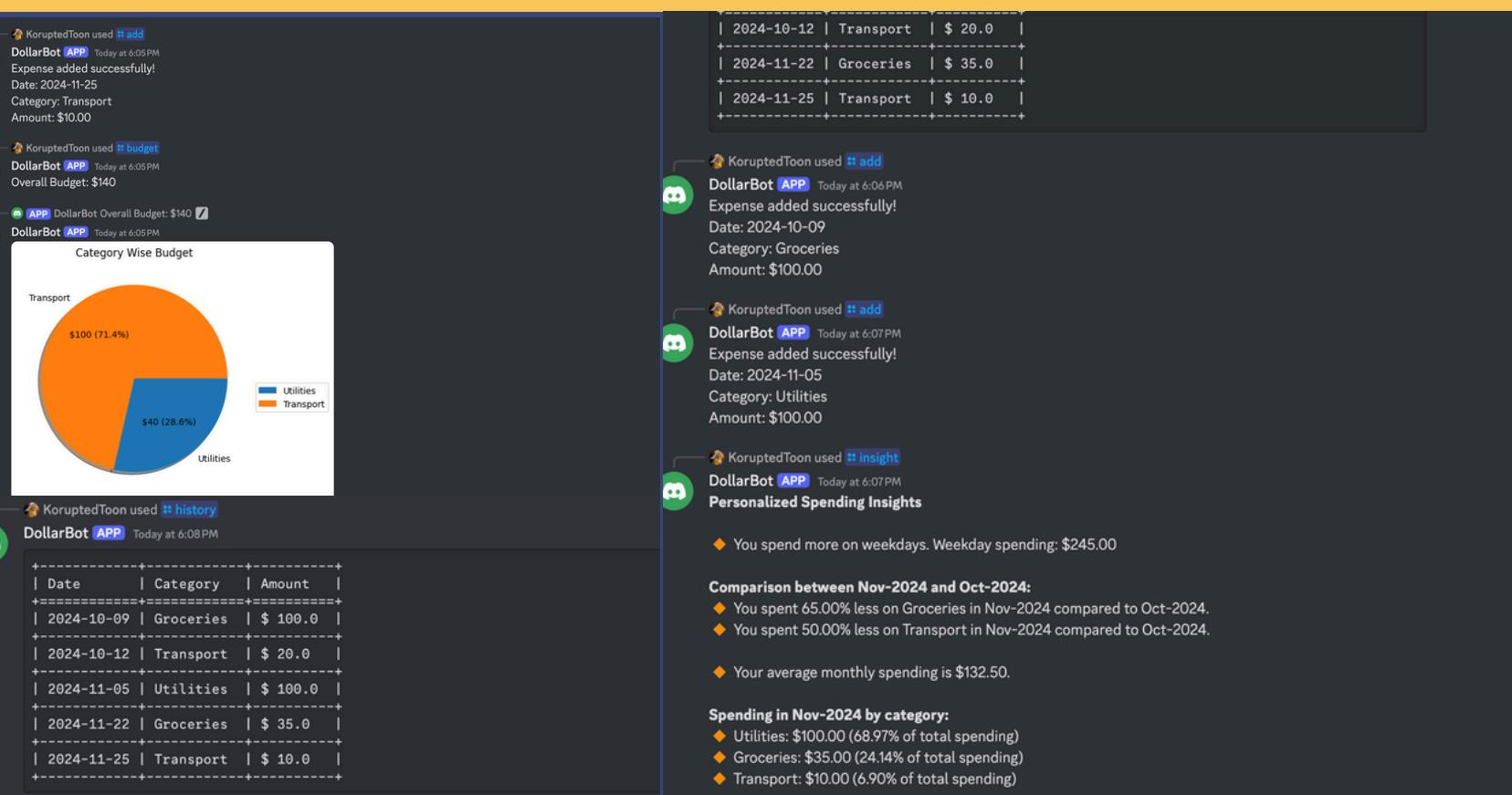
**Comprehensive testing with 100+ test cases!**





# DOLLARBOT

YOUR FINANCIAL FUTURE  
DESERVES THE BEST!



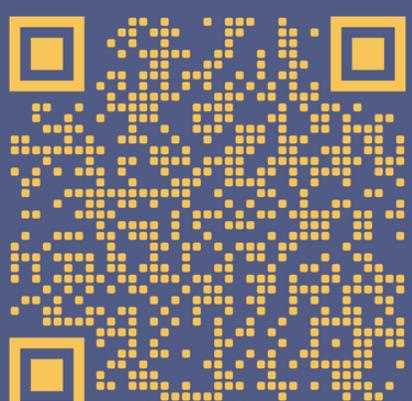
## WHAT WE CHANGED?

- Integrated Discord to increase bot accessibility.
- Migrated from using a json file for storing data to MongoDB
- Removed all sensitive information like API Keys, Passwords, Connection URLs from the codebase to an env with a proper modular class to handle these secrets
- Dockerized the application to make deployments seamless.
- Improved code for easier debugging and enhanced documentation to help developers maintain the project efficiently.

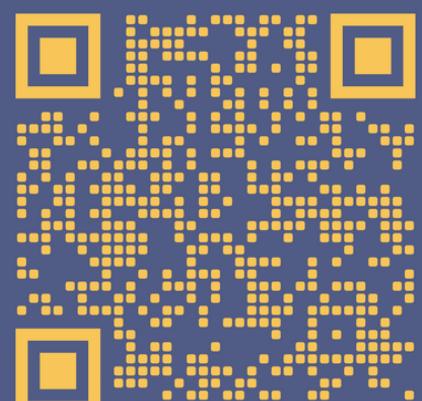
## FUTURE PLANS?

- Platform Independence:** Make the bot accessible without requiring a Telegram account.
- Game Elements:** Add fun money challenges like "No-Spend Weekends" and savings goals with rewards.
- Financial Tracking:** Analyze income and expenses by category with weekly/monthly trend reports.
- Annual Report:** Generate comprehensive yearly financial summaries with spending patterns and savings data.
- Expense Sharing:** Enable split expenses and shared bookkeeping between multiple users.

SCAN ME



GITHUB



DEMO

## WHAT IS IT?

DollarBot is a user-friendly Telegram/Discord bot designed to simplify your daily expense recording on a local system effortlessly. With simple commands, this bot allows you to:

- Add/Record a new spending:
- Display your expenditure for the current day/month.
- Show your spending history
- Set Your Budget
- Visualize your spending
- Predict future expenses



## BUILT USING?



## TESTING IMPROVEMENTS?

- Increased test cases to 255.
- Took test coverage up from 83% to 86%
- Broadened Input Variations: Expanded test cases by adding variations in input data, such as different formats, lengths, types, and combinations.
- Edge Case Scenarios: Include boundary conditions and corner cases.
- Negative Testing: Add test cases to ensure the system handles invalid data and error scenarios gracefully.

## TEAM

Brijesh Kumar Bhayana  
Abhishek Potdar  
Vidhisha Kamat

Howling Opportunities , Endless Possibilities!

## Improvements

- Cloud Hosting:** WolfJobs is now hosted on the cloud, ensuring seamless access, improved performance, and scalability to handle growing user demands effectively.
- Super Admin Panel:** We've introduced a dedicated Super Admin Panel where manager data is securely maintained. Only authorized managers listed here are eligible to post job opportunities, enhancing security and ensuring role-specific access.
- Role Based System:** Added A role-based system has been integrated during sign-up, where all new users are set as applicants by default. This feature ensures streamlined role management and access control.
- CI/CD Pipeline:** Incorporated a database to manage and store user data effectively, ensuring data consistency and support for complex queries
- Email Integration:** An email service has been implemented to notify users upon successful sign-up. This ensures instant communication and enhances the onboarding experience.

## Future Scope

- Interview Scheduling:** Implement automated interview scheduling, allowing recruiters and applicants to coordinate times and conduct interviews through the platform.
- Advanced Search and Filters:** Enhance the job search functionality with filters like salary range, job type, location, and eligibility criteria to improve user experience.
- Professor-Specific Panel:** Introduce advanced role management to include roles like Professors, Teaching Assistants, and Research Assistants, with tailored dashboards and permissions.
- Analytics Dashboard:** Develop an analytics dashboard for both students and recruiters. Students can track applications and job trends, while recruiters can evaluate posting performance and applicant demographics.
- Skill Verification and Endorsements:** Introduce skill verification tools where users can upload certifications, and recruiters can endorse students' skills after job completion.

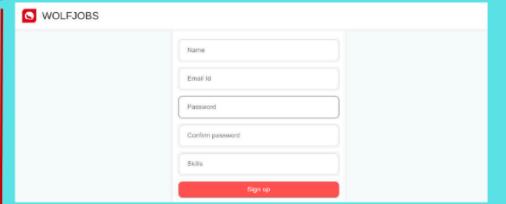


Fig-1 Role Based Page - By Default Applicant

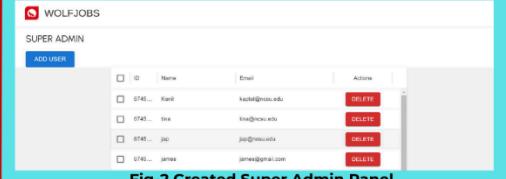


Fig-2 Created Super Admin Panel



Fig-3 Email Integration



Fig-4 Backend CI/CD Pipeline



Fig-5 FrontEnd CI/CD Pipeline



## 2. Github Link

## 3. Demo Link –

## 4. Project Rubric -



# Recipe Recommender

Your ultimate guide to culinary creativity!

## About us!

Recipe Recommender is your ultimate kitchen companion, transforming meal planning into an effortless and exciting experience. Discover, save, and cook personalized recipes tailored to your ingredients, with features like meal planning, bookmarking, and secure user profiles.



Demo



Code



## New and Improved features

- >Edit an Existing Recipe: Made a mistake or want to spice things up? Edit your recipes effortlessly and keep them fresh and fabulous!
- Share Recipes By Link: Share the joy of cooking! Send recipes to friends with a simple link or a quick scan of a QR code. Perfect for spreading deliciousness far and wide!
- Grocery List: Say goodbye to forgotten ingredients! Add recipe items directly to your grocery list and shop with ease. Cooking just got more organized!
- Security Enhancements: Cook with peace of mind! Enjoy secure logins, encrypted passwords, and advanced protection with JSON Web Tokens. Your data, safer than ever!

## Why choose us?

- Simplified Cooking and Smarter Search: Discover, create, and share recipes tailored to your ingredients, cuisine, or mood effortlessly.
- Personalized Features: Save recipes to bookmarks, plan weekly meals, and organize everything under your profile for a seamless experience.
- Community and Chatbot Support: Explore top-rated recipes, rate meals, and get instant suggestions or cooking tips with our interactive chatbot.
- Secure and Intuitive Design: Enjoy encrypted logins, secure data storage, and a sleek UI that ensures easy navigation and constant feature upgrades.

### 60+ Test Cases for Ultimate Reliability

Recipe Recommender ensures reliable performance and seamless feature integration, delivering a consistently dependable experience.



## Future Milestones

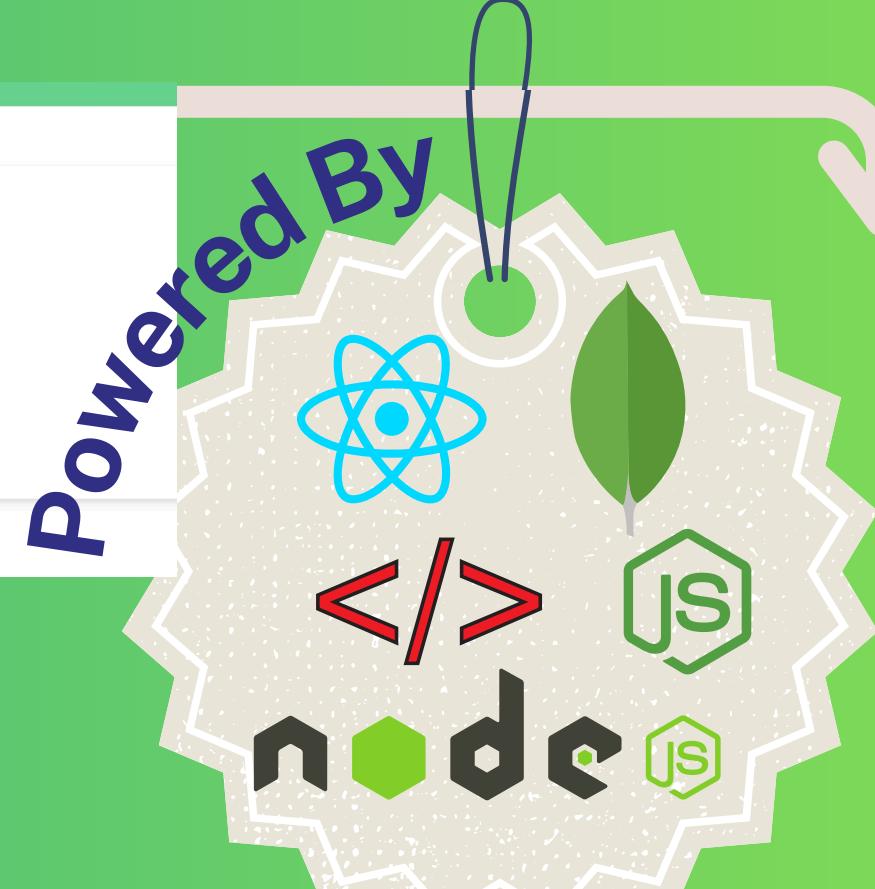


- Global Recipe Sharing: Introduce support for multi-language recipes, making it easier to explore cuisines from around the world.
- Mobile App Development: Launch a dedicated mobile app for on-the-go recipe discovery and meal planning.
- Advanced Analytics: Provide personalized cooking insights like trending recipes, nutrition analysis, and meal prep tips.
- AI-Powered Recommendations: Use machine learning to suggest recipes based on user preferences, ratings, and past activity.
- Collaborative Cooking: Add a social feature to collaborate on meal planning or share recipe tweaks with friends in real time.

## Our app!

The screenshots show the following features:

- Grocery List:** A screen where users can add items to their grocery list directly from a recipe page. It shows items like Milk, Chocolate, and Eggs.
- Search & Filter:** A search bar with dropdown menus for Ingredients, Select Cuisine, and Diet Type. It also includes an Email field and a checkbox for Enable email alert.
- Recipe Collection:** A grid of recipe cards for Tomato dal, French Fries, and Brownies. Each card includes a thumbnail, name, rating (e.g., 4.5 stars), cooking time, and diet type.
- Add New Recipe:** A form for creating a new recipe. It includes fields for Recipe Name, Cooking Time (mins), Diet Type (with dropdown for Select Diet Type), Recipe Rating (rating 0/5), Cuisine (with dropdown for Select Cuisine), Ingredients (text input), Image URL (input), and Instructions (text area).
- Discover & Organize Your Favorite Recipes:** A main dashboard with sections for "Discover & Organize Your Favorite Recipes", "Why Choose Saavers Selection?", and "Organize Your Collection". It features a "Search & Filter" button and a "Organize Your Collection" button.



Group 5  
Poorna Subramanian  
Ishani Rajput  
Vaishnav Puram

# CSC 510: SOFTWARE ENGINEERING

## PROJECT 3

Group 33:

Shail Patel

Devanshu Shah

Vrushali Ranadive

# WOLFJOBS *Your Job search simplified!*

## GROUP 33

Shail Patel

Vrushali Ranadive

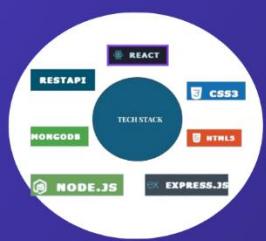
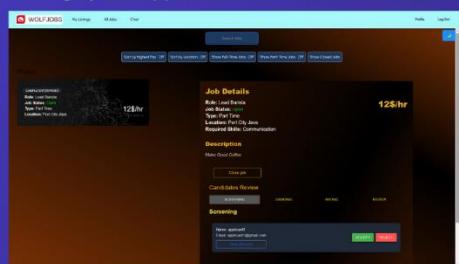
Devanshu Shah

### Introduction

- WolfJobs is a platform that connects students with part-time and full-time job opportunities.
- Offering personalized job matching, resume uploading, notification system and easy application tracking, it simplifies the job search.
- With features like advanced job filtering and real-time notifications, messaging forum, WolfJobs ensures that students find roles aligned with their skills and career goals, helping them grow both personally and professionally.

### Why WolfJobs?

- Search for latest jobs around the campus and apply
- Post job openings and screen, grade, rate and review the applications
- Get notified about your job application status through email
- Get Job Match Percentage based on your resume and job requirements.
- Connect and chat with other students in messaging group
- Experience an enhanced UI with dark mode option
- Manage jobs, applications and users as an Admin



Link to Repo



### Whats New?

#### • Email Notifications

Applicants receive an email upon applying, job status change, ensuring they are informed of their successful application status

#### • Enhanced Admin Functionality

Expanded features for admin users such as managing jobs, applications and job managers.

#### • General Messaging Forum

The platform enables real-time communication through an interactive messaging interface.

#### • UI Enhancements with Dark Mode

Introducing a dark mode option and additional UI changes to enhance visual quality and user comfort.

#### • System Stability and Speed Improvements:

Enhancements will ensure faster loading times and greater stability, eliminating glitches for a smoother user experience.

### Test Coverage

- Increased the test coverage from 63% to 68.5%
- There are total of 97 test cases and they are all passing successfully.

### Future Enhancements

- Video Submission in Job Application
- Functionality to schedule an interview
- Reminders for scheduled interviews
- Additional test scenarios to enhance the functionality and reliability of the system:
- UI/UX Enhancements

Link to Video



Repository Link: [https://github.com/svd-ncsu/wolfjobs\\_fall\\_24](https://github.com/svd-ncsu/wolfjobs_fall_24)

## About City Byte:

**CityByte: Your smart travel planner with personalized itineraries, real-time updates, and seamless navigation for an effortless adventure!**

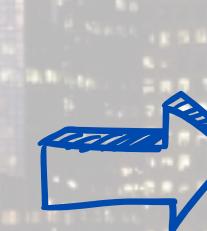
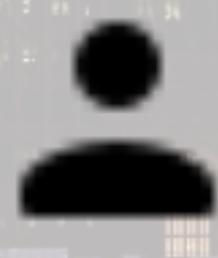
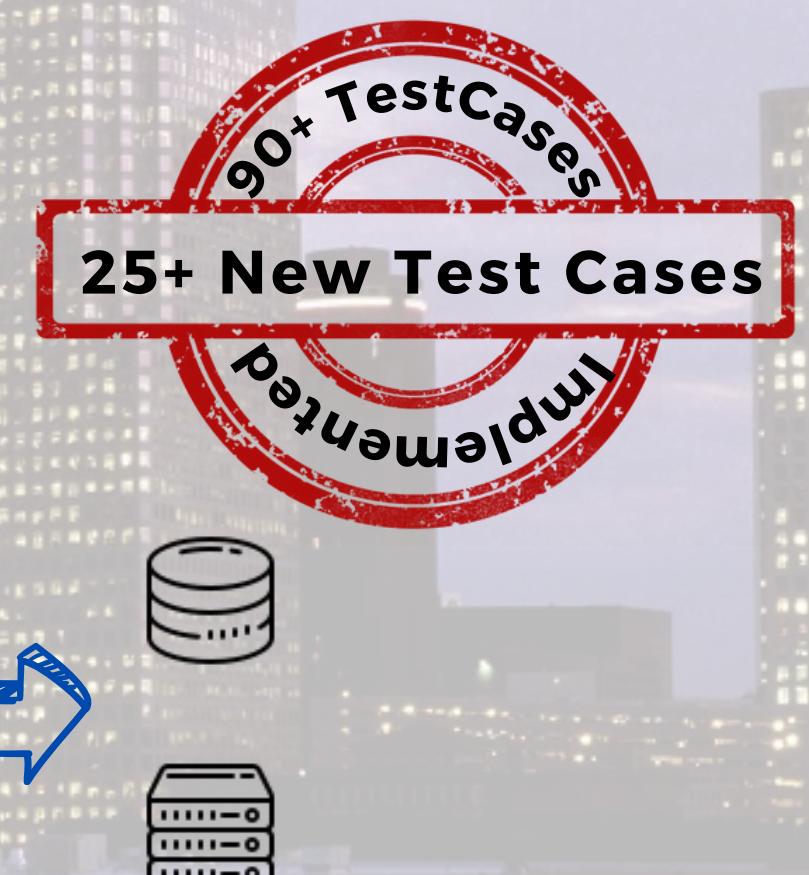
CityByte is designed to elevate travel planning by combining powerful, newly added features with a smooth, user-friendly experience. With personalized itinerary creation, users can now craft their travel plans day-by-day, making CityByte a comprehensive travel planner. Real-time, city-specific news keeps users informed of local happenings, while integrated Google Maps links allow for quick access to directions for each location. Enhanced account management, including a secure Forgot Password feature, ensures easy and safe access to user accounts. The refreshed, visually appealing interface invites users to navigate and enjoy their planning experience effortlessly. Additionally, it highlights like the personalized wish list, optimized Weather API, and social features encourage exploration, sharing, and engagement, making CityByte an indispensable tool for travelers.

### What is new:

- Bugs and Errors:** Fixed multiple bugs and errors
- News Toggle:** Implement toggle feature to allow users to expand city news from top stories to a wider view, providing a richer news experience.
- Localized Event Recommendation:** Alert users to upcoming events and festivals in their chosen cities for a richer travel experience.
- City Recommendation:** Introduce an intelligent suggestion system recommending similar cities, encouraging users to explore more destinations.
- Downloadable Itinerary:** Enable itineraries to be saved as PDF or images, making them easy to access offline or share with others

### Future Work:

- Chatbot for user Queries:** Integrate a responsive chatbot for users to ask questions about city information or trip planning.
- Multiple login method:** Login via social media accounts (facebook, instagram, etc.)
- Transportation(Bus, Subway, etc. schedule):** Adding Transportation map with related API
- Advanced Search and Filters:** Event Search Filters, Dining Filters, Activity Filters
- Offline Features:** Enable offline access to saved itineraries and maps for users traveling without internet connectivity.



Repo



Video



DEMO



Group 17

Dhruv Soni,

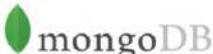
Prithish Samanta,

Sweekar Burji

# WOLFJOBS



65+ Test cases providing complete coverage over backend and frontend



## Introduction

Wolfjobs is the ultimate connector between recruiters in need of talent for both short-term and full-time roles and candidates seeking the freedom to choose. Dive in, earn your share, and opt out whenever you want – or stay on for a longer journey!

At the heart of our bustling campus, WolfJobs stands out as the top student employment portal

## What was version i-1?

1. Enhanced Security: Password protection improved with hashing and JWT-based authentication. Added "Forgot Password" functionality and email notifications for secure resets.
2. Data Validation: Frontend and backend validations implemented to ensure data accuracy and prevent vulnerabilities.
3. New Features: Simplified job creation with skill filtering and automated skill extraction from job descriptions. Fixed resume upload issues and improved error handling
4. UI/UX Improvements: Added interactive feedback and visual enhancements for smoother navigation and engagement

## What's next (version i+1)?

1. Application Insights- Provide insights such as number of applications, accepts and rejects in the form of visualizations including dashboards, charts and graphs.
2. Interview Video Summarization - Managers can ask for a video transcript to summarize the candidate's video interview.
3. Chatbot Integration- Our platform WolfJobs will also provide the functionality of Chatbot integrated with our website so that user can easily interact with bot and get to know about various features of web application
4. Expand Network - Right now wolfjobs is focused on providing on campus opportunities within NC State. There is a potential to expand to more university networks.

## Why WolfJobs?

- At WolfJobs, it's not just about work – it's about joining a vibrant pack where every wolf (err, student!) counts. Step in and find your howl!🐺
- Competitive & Rewarding: As part of the WolfJobs family, we pride ourselves on offering competitive wages paired with flexible schedules. Your time is valuable, and we recognize that.
- Holistic Growth & Learning: With our commitment to fostering a culture rich in learning and opportunity, every job position at WolfJobs paves the way for personal and professional growth.
- A Confluence of Values: Our foundation rests on unwavering values: integrity, respect for diversity, responsibility, stewardship, and relentless pursuit of excellence



Scan Me  
<https://github.com/SoftwareEngineer-ing-HomeWork/CSC510-Project3-WolfJobs-G17>



Demo Video  
<https://www.youtube.com/watch?v=5j1pGLjN7uM>

## What's new (version i) ?

1. Two-Factor Authentication (2FA): Added email-based 2FA for enhanced account security.
2. Job Filtering by Pay: Enabled salary-based job filtering for easier role selection.
3. Resume Parsing & Skill Extraction: Integrated AI-driven resume parsing to extract and categorize technical and non-technical skills for better insights.
4. Video Interview Integration: Added functionality for candidates to record and recruiters to stream video interviews on the platform.
5. Job Recommendations for Students: Used web scraping to suggest tailored job listings from university websites.

The screenshot shows the WolfJobs application interface. At the top, there are tabs for 'WOLFJOBS', 'My Applications', and 'All jobs'. Below that is a search bar labeled 'Search jobs...'. Underneath the search bar are several sorting options: 'Sort by Highest Pay: Off', 'Sort by City: Off', 'Sort by Employment Type: Off', 'Show Closed Jobs', and 'Filter by minimum pay...'. The main area displays a list of jobs under the heading 'All jobs'. Each job listing includes a thumbnail image, the company name ('NC STATE DING'), the job title ('Role: Barista'), the status ('Job Status: Open'), the employment type ('Type: Full-time'), and the pay rate ('10\$/hr'). To the right of each listing is a 'Job Details' section with more information like 'Required Skills: Communication' and 'Application Status: Accepted'. At the bottom of the page, there is a 'Description' section with the text 'Making coffee'.



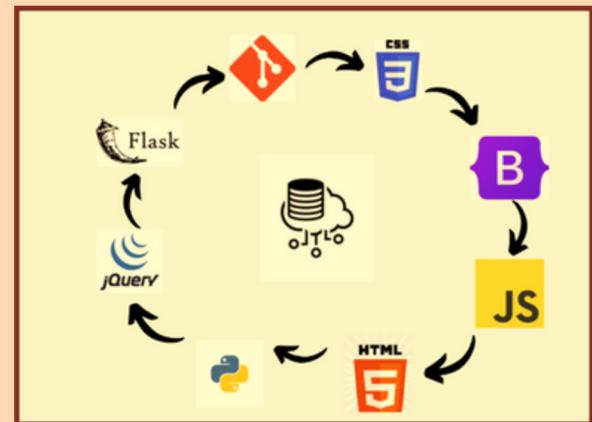
**SCAN FOR PROJECT**



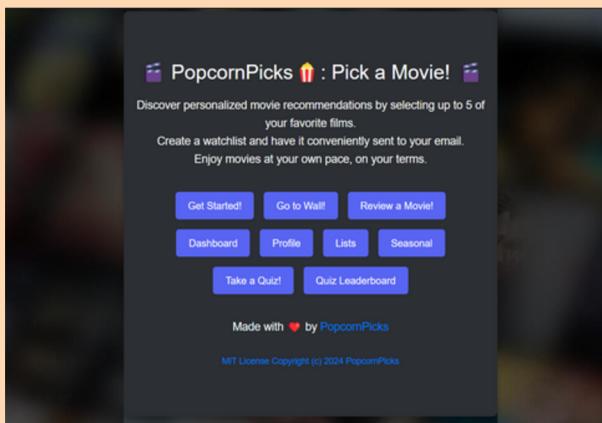
**SCAN FOR DEMO**

# POPCORNPICKS

PopcornPicks is a user-friendly movie recommender that offers tailored film suggestions based on user input and feedback. With its fast, adaptable algorithm and platform accessibility, users can easily discover movies, get insights, and even share recommendations via email. Whether you're a casual viewer or a movie buff, PopcornPicks makes it effortless to elevate your movie-watching experience. This project leverages the power of Full Stack development with a dynamic combination of HTML, CSS, JavaScript, and Bootstrap on the frontend, paired with Python and Flask on the backend. This stack allows for seamless, responsive designs and robust server-side functionality.



## WHAT'S NEW



- **Friends Recommend Movies:** Let users get personalized movie recommendations from their friends for a more social experience!
- **Parental Controls & Kids Mode:** Family-friendly viewing! Add parental controls and a curated kids' section to make Popcorn Picks safe and fun for all ages!
- **Dynamic Movie Collections:** Always stay relevant! Offer seasonal collections like "Christmas Specials" based on user interests.
- **Fun Trivia & Movie Quizzes:** Keep users engaged with interactive trivia and quizzes about movies they have watched!
- **Tech Improvement:** Supercharge the backend with Express and Node.js for smoother, seamless integration with the React frontend! Upgrade from bootstrap to tailwind to material UI.

## FUTURE SCOPE

- **Create and Manage Watchlists:** Allow users to create and manage their personal watchlist of movies they want to watch later.
- **Shared Watchlists:** Let users create shared watchlists with friends or public lists, where multiple users can add movies to the same list.
- **Watch History:** Keep track of movies users have watched and suggest movies based on watch history.
- **Movie Discussions and Forums:** Create a space where users can discuss movies they've watched, ask for recommendations, or debate opinions.

