

RECIPE RECOMMENDER

Introduction

Saveurs Sélection is an intuitive website designed to **simplify cooking** by suggesting recipes based on the ingredients you already have.

Whether you're craving a specific dish or just want to explore options, Saveurs Sélection provides **personalized recipe recommendations**, making cooking an enjoyable and effortless experience for all the gourmets out there!

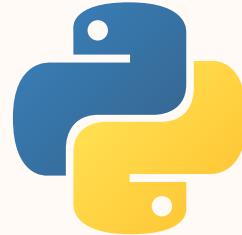
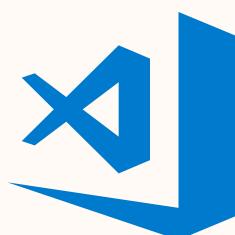
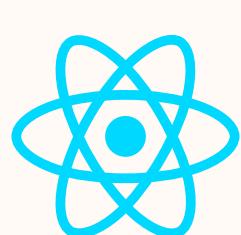
Methodology

The app operates through a seamless flow: users can **register** and **log in** to create profiles, **search** for recipes by either ingredients or dish names, and **bookmark** their favorite recipes for later use. The backend processes user inputs, searches the recipe database, and displays relevant options, ensuring a **user-friendly** experience. With secure logins and a refined UI, Saveurs Sélection delivers efficiency and ease.

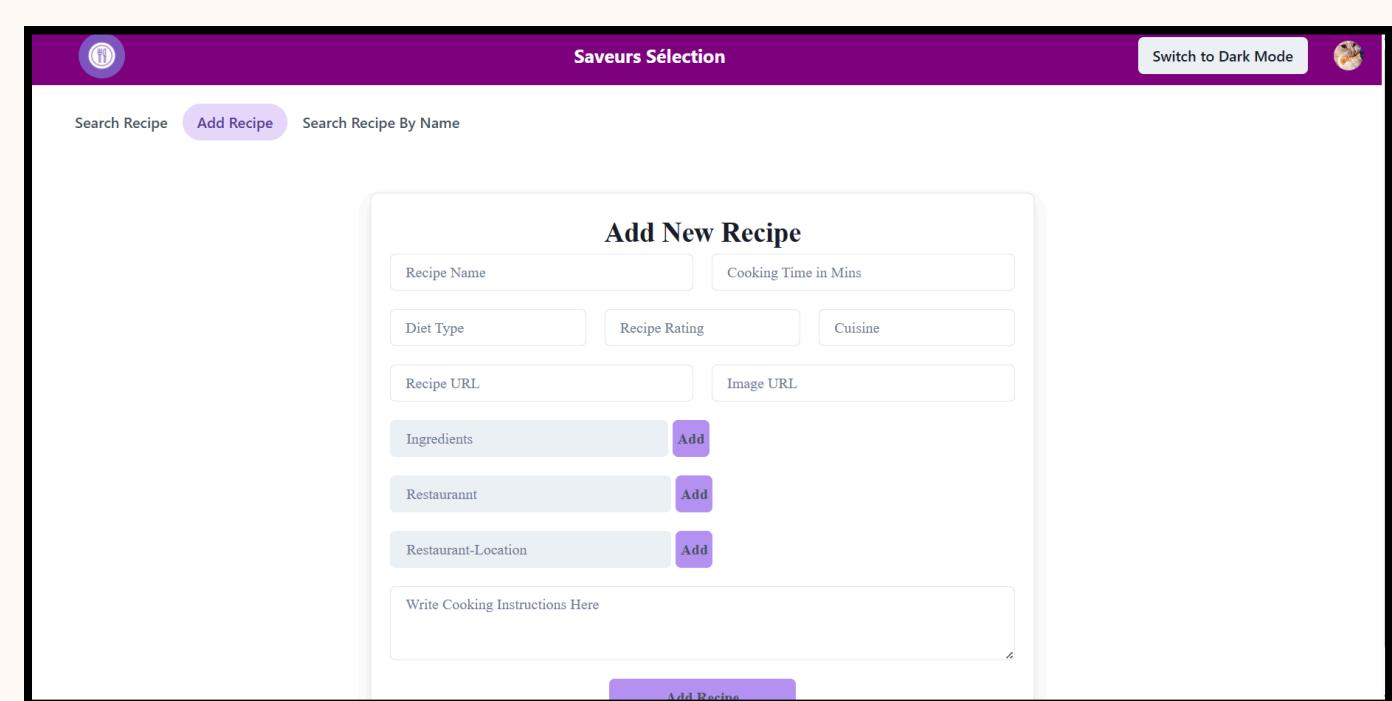
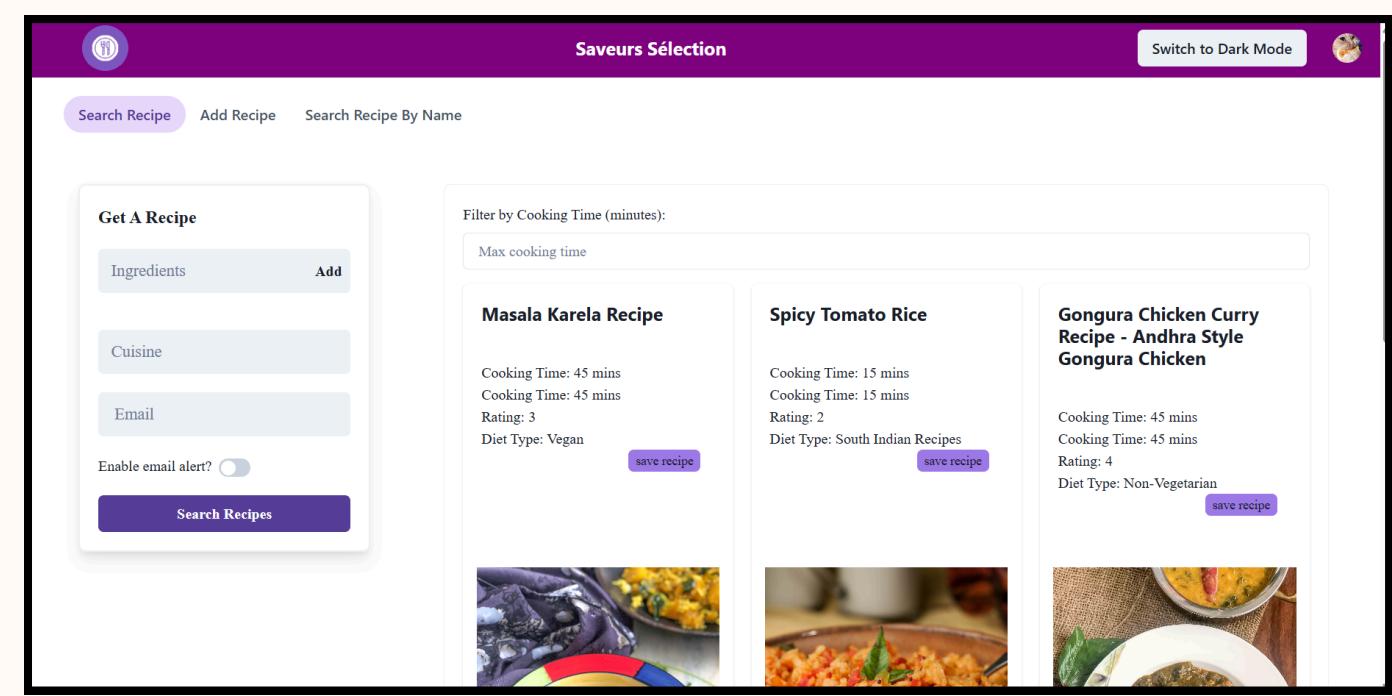
Enhancements

- Saveurs Sélection introduced **Preparatory Time Filters** to cater to individuals to search for recipe within suitable time
- Introducing **Dark-Mode Theme** to enhance the user experience and maintain an adaptive design to adjust seamlessly between light and dark modes.
- v2 brings **Enhanced UI** focusing on refining the visual appeal, usability, and functionality of an interface to create a more intuitive and engaging user experience.
- **Reviews and Ratings feature** is introduced to let the users interact with each other and help in choosing the best recipe to cook for them!

Technology Stack



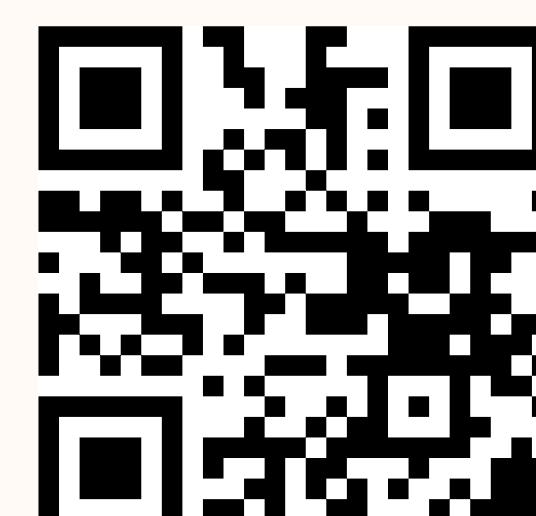
Screenshots



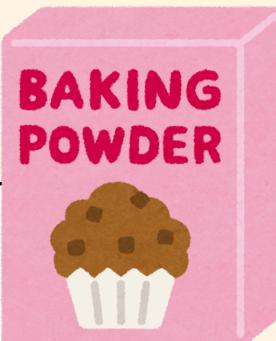
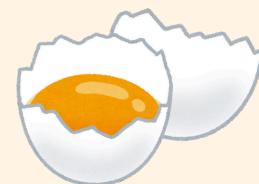
Future Scope

- Grocery List Generator
- Voice-to-text Integration
- Chatbot Integration
- Allergic Ingredient Tracker
- Nutrition Tracking
- Weekly Meal Planning Tool

Scan Me!



https://github.com/ForkBombers/Recipe_Recommender



GROUP 90

1. Nikita Chaudhari (nchaudh5@ncsu.edu)
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3. Tejas Desai (tdesai@ncsu.edu)

Grading of Saveurs Sélection

Total	215	
Criteria	Grade	Evidence
Video	2	
Workload is spread over the whole team	2	
Number of commits	2	https://github.com/ForkBombers/Recipe_Recommender/tree/master
Number of commits: by different people	2	https://github.com/ForkBombers/Recipe_Recommender/pulse
Issues reports: there are many	2	https://github.com/ForkBombers/Recipe_Recommender/issues
Issues are being closed	3	https://github.com/ForkBombers/Recipe_Recommender/issues?q=is%3Aissue+is%3Aclosed
*DOI badge: exists	3	https://doi.org/10.5281/zenodo.10023318
Docs: doco generated, format not ugly	2	https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md
Docs: what: point descriptions of each class/function (in isolation)	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	3	
Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing	2	https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md
Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	1	
Use of version control tools	3	
Use of style checkers	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/.github/workflows/Style_Checker_and_Prettify_Code.yml
Use of code formatters.	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/.github/workflows/Code_Formatter_and_Syntax_Checker.yml
Use of syntax checkers.	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/.github/workflows/Code_Formatter_and_Syntax_Checker.yml
Use of code coverage	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/.github/workflows/coverage.yml
Other automated analysis tools	1	https://github.com/ForkBombers/Recipe_Recommender/actions
Test cases exist	3	https://github.com/ForkBombers/Recipe_Recommender/tree/master/test
Test cases are routinely executed	2	
The files CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/CONTRIBUTING.md
Issues are discussed before they are closed	2	https://github.com/ForkBombers/Recipe_Recommender/issues?q=is%3Aissue+is%3Aclosed Since we were meeting physical issues were discussed, but not over repository.
*Chat channel: exists	1	
Test cases: a large proportion of the issues related to handling failing cases.	1	
Evidence that the whole team is using the same tools: everyone can get to all tools and files	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md

Total	215
Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	3 https://github.com/ForkBombers/Recipe_Recommender/tree/master
Evidence that the whole team is using the same tools (e.g. tutor can ask anyone to share screen, they demonstrate the system running on their computer)	3 https://github.com/ForkBombers/Recipe_Recommender/tree/master each contributer had access to repository, tools and file
Evidence that the members of the team are working across multiple places in the code base	3 https://github.com/ForkBombers/Recipe_Recommender/tree/master
*Short release cycles	1
Does the website and documentation provide a clear, high-level overview of your software?	3 https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md
Does the website and documentation clearly describe the type of user who should use your software?	3
Are there any case studies to show how the software has been used by developers and others?	0
Is the name of the project/software unique?	3 We searched on Google and GitHub and did not find any projects with similar names
Is the project/software name free from trademark violations?	3 https://github.com/ForkBombers/Recipe_Recommender/blob/master/LICENSE
Is the software available as a package that can be deployed without building it?	0
Is your software available for free?	3 https://github.com/ForkBombers/Recipe_Recommender/blob/master/LICENSE
Is the source code publicly available to download, either as a downloadable bundle or via access to a source code repository?	3 The project can be cloned to local via Github
Is the software hosted in an established, third-party repository like GitHub (https://github.com), BitBucket (https://bitbucket.org), LaunchPad (https://launchpad.net) or SourceForge (https://sourceforge.net)	3 https://github.com/ForkBombers/Recipe_Recommender
Is the documentation clearly available on your website or within your software?	3 https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md
Does the documentation include a "quick start" guide, that provides a short overview of how to use your software with some basic examples of use?	3 https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md#installation
If you provide more extensive documentation, does this provide clear, step-by-step instructions on how to deploy and use your software?	0
Is there a comprehensive guide to all your software's commands, functions and options?	3 https://github.com/Yash-Chandrani/slash#full-version-main-menu

Total	215
Is there a troubleshooting information that describes the symptoms and step-by-step solutions for problems and error messages?	0
If the software can be used as a library, package or service by other software, is there a comprehensive API documentation?	0
Is the documentation stored under revision control with source code?	3 https://github.com/ForkBombers/Recipe_Recommender#readme
Do you publish your release history e.g. release data, version numbers, key features of each release etc. on your web site or in your documentation?	3 https://github.com/ForkBombers/Recipe_Recommender/releases
Does your software describe how a user can get help with using your software?	3 https://github.com/ForkBombers/Recipe_Recommender/tree/master#readme
Does your website and documentation describe what support, if any, you provide to users and developers?	3 https://github.com/ForkBombers/Recipe_Recommender/tree/master?tab=readme-ov-file#troubleshooting-and-support
Does your project have an e-mail address or forum that is solely for supporting users?	3 https://github.com/ForkBombers/Recipe_Recommender/tree/master?tab=readme-ov-file#troubleshooting-and-support
Are e-mails to your support e-mail address received by more than one person?	3 This email id has a general project related name so yes all members of the project group are owners of this email id.
Is your project's ticketing system publicly visible to your users, so they can view bug reports and feature requests?	3 https://github.com/ForkBombers/Recipe_Recommender/issues
Is your software's architecture and design modular?	3 The project, Saveurs Sélection - Recipe Recommender, demonstrates a modular architecture through its organized and component-based structure. Each functionality is encapsulated within distinct modules or components. This modular approach allows for reusability, ease of maintenance, and cleaner separation of concerns. Additionally, separating styling files ('css'), application logic ('src'), and API interactions ('apis') promotes independence among different parts of the application, making it easier to test, update, and expand. The use of Docker, with files like 'Dockerfile' and 'docker-compose.yml', further enhances modularity by containerizing each service, supporting efficient deployment and scalability.
Does your software use an accepted coding standard or convention?	3 Our software likely adheres to accepted coding standards, particularly for JavaScript, Python, CSS, HTML, and Docker. Following conventions like camelCase for JavaScript variables, PEP 8 for Python style, and consistent naming in CSS (e.g., BEM) ensures a structured and readable codebase. Docker best practices, such as minimizing image layers and using efficient commands, further improve maintainability.
Does your software allow data to be imported and exported using open data formats? e.g. GIF, SVG, HTML, XML, tar, zip, CSV, JSON, NetCDF, or domain specific ones	3 Since it is a web based project it takes and sends data through HTTP protocol.
Does your software allow communications using open communications protocols? e.g. HTTP, FTP, XMPP, SOAP over HTTP, or domain-specific ones	3 Since it is a web based project it takes and sends data through HTTP protocol.
Is your software cross-platform compatible? e.g. does it run under two or more of	3 Yes, the project is cross-platform compatible since it uses Python language and JavaScript which can be installed on any platform and can be run on any system.

Windows, Unix/Linux and Mac OS X, or can be used from within two or more of Internet Explorer, Chrome, Firefox and Safari?		Additionally, if Docker is used for deployment, this further ensures cross-platform compatibility by allowing the application to run consistently across different environments.
Does your software adhere to appropriate accessibility conventions or standards?	3	The project adheres to accessibility conventions and standards, such as the Web Content Accessibility Guidelines (WCAG), to ensure inclusivity. Following WCAG involves providing features like alternative text for images, keyboard navigation, sufficient color contrast, and clear labeling for forms and buttons, making the application accessible to users of all kinds. Adhering to standards enhances usability, allowing a broader range of users to engage with the app.
Does your documentation adhere to appropriate accessibility conventions or standards?	3	https://github.com/ForkBombers/Recipe_Recommender#readme
Is your source code stored in a repository under revision control?	3	https://github.com/ForkBombers/Recipe_Recommender
Is each source code release a snapshot of the repository?	3	https://github.com/ForkBombers/Recipe_Recommender/releases
Are releases tagged in the repository?	3	https://github.com/ForkBombers/Recipe_Recommender/releases
Is there a branch of the repository that is always stable? (i.e. tests always pass, code always builds successfully)	3	https://github.com/ForkBombers/Recipe_Recommender/branches
Do you back-up your repository?	3	https://zenodo.org/record/10023318
Do you provide publicly-available instructions for building your software from the source code?	3	https://github.com/ForkBombers/Recipe_Recommender?tab=readme-ov-file#installation
Can you build, or package, your software using an automated tool? e.g. Make (https://www.gnu.org/software/make/), ANT (http://ant.apache.org/), Maven (https://maven.apache.org/)	0	
Do you provide publicly-available instructions for deploying your software?	2	https://github.com/ForkBombers/Recipe_Recommender?tab=readme-ov-file#project-setup-steps
Does your documentation list all third-party dependencies?	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/requirements.txt
Does your documentation list the version number for all third-party dependencies?	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/requirements.txt
Does your software list the web address, and licences for all third-party dependencies and say whether the dependencies are mandatory or optional?	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md
Can you download dependencies using a dependency management tool or package manager?	3	We can install requirements through pip, the package installer for Python
Do you have tests that can be run after your software has been built or deployed to show whether the build or deployment has been successful?	3	https://github.com/ForkBombers/Recipe_Recommender/tree/v2/test

Total	215
Do you have an automated test suite for your software?	0
Do you have a framework to periodically (e.g. nightly) run your tests on the latest version of the source code?	2
Do you use continuous integration, automatically running tests whenever changes are made to your source code?	0
Are your test results publicly visible?	2
Are all manually-run tests documented?	0
Does your project have resources (e.g. blog, Twitter, RSS feed, Facebook page, wiki, mailing list) that are regularly updated with information about your software? e.g. release announcements, publications, workshops, conference presentations	3
Does your website state how many projects and users are associated with your project?	0
Do you provide success stories on your website?	0
Do you list your important partners and collaborators on your website?	3
Do you list your project's publications on your website or link to a resource where these are available?	0
Do you list third-party publications that refer to your software on your website or link to a resource where these are available?	0
Can users subscribe to notifications to changes to your source code repository?	3
If your software is developed as an open source project (and, not just a project developing open source software), do you have a governance model?	0
Do you accept contributions (e.g. bug fixes, enhancements, documentation updates, tutorials) from people who are not part of your project?	3
Do you have a contributions policy?	3
Is your contributions' policy publicly available?	3
Do contributors keep the copyright/IP of their contributions?	3
https://github.com/ForkBombers/Recipe_Recommender/tree/v2/test	
https://github.com/ForkBombers/Recipe_Recommender/blob/master/README.md	
https://github.com/ForkBombers/Recipe_Recommender/blob/master/CONTRIBUTING.md	
https://github.com/ForkBombers/Recipe_Recommender/blob/master/LICENSE	

Total	215	
Does your website and documentation clearly state the copyright owners of your software and documentation?	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/CONTRIBUTING.md
Does each of your source code files include a copyright statement?	0	
Does your website and documentation clearly state the licence of your software?	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/LICENSE
Is your software released under an open source licence?	3	Yes, MIT License is an open source license
Is your software released under an OSI-approved open-source licence?	3	Yes, MIT License is an OSI approved open source license
Does each of your source code files include a licence header?	0	
Do you have a recommended citation for your software?	3	https://github.com/ForkBombers/Recipe_Recommender/blob/master/CITATION.md
Does your website or documentation include a project roadmap (a list of project and development milestones for the next 3, 6 and 12 months)?	0	
Does your website or documentation describe how your project is funded, and the period over which funding is guaranteed?	0	
Do you make timely announcements of the deprecation of components, APIs, etc.?	0	