

SE Project 2

Team: 61

Shruti Dhond (sdhond)

Pranav Manbhekar (ppmanbhe)

Shardul Khare (srkhare)

1. Poster



BURNOUT

YOUR FITNESS JOURNEY STARTS HERE

TEAM MEMBERS: PRANAV MANBHEKAR, SHARDUL KHARE, SHRUTI DHOND

WHY USE BURNOUT?

BurnOut is the all-in-one app designed to make wellness simple and effective. Track daily calorie intake, monitor hydration, and gain insights into your calorie expenditure—all in one place. With our new, enhanced features, BurnOut offers a personalized fitness journey like never before! From customized workout recommendations to progress tracking, BurnOut is more than a tracker; it's your go-to partner in achieving fitness and weight goals.

WHAT'S NEW IN BURNOUT?

-  **Progress Monitoring:** Stay motivated by tracking your fitness journey. Input your measurements daily, review your progress history, and celebrate every milestone along the way.
-  **Workout Streaks:** Keep the momentum going by logging your workouts each day to maintain a streak. If you miss a day, the streak resets, pushing you to stay consistent and achieve your goals.
-  **Personalized Workout Recommender:** Get workouts tailored specifically to you. Input your experience level, target muscles, and available equipment, and BurnOut will recommend the most effective exercises, complete with images to guide your form.
-  **Friends & Community Support:** Connect with friends within the app, accept friend requests, and share your daily progress to support and motivate each other in achieving your fitness goals.
-  **Dual Login with Personalized Interaction:** Students and coaches have dedicated login options, allowing video uploads and tailored feedback across fitness categories.
-  **Customized Coaching and Workout Plans:** Coaches can provide personalized feedback, assign tailored workout plans, and share instructional tutorials.



BURNOUT IN ACTION



OUR POWERFUL CODE

FUTURE IMPROVEMENTS SCOPE

-  **Goal Setting & Reminders:** Allow users to set specific fitness goals and enable push notifications to remind them of their goals or scheduled workouts.
-  **Mood Tracker:** Include a mood tracking option so users can log how they feel before or after workouts for better self-awareness.
-  **Recipe Suggestions:** Provide a rotating selection of simple, healthy recipes or snacks within the app for users to try based on their fitness goals.
-  **Customizable Dashboard:** Let users customize their dashboard with their most-used features, like calorie tracking, hydration, workout logs etc.

TECHSTACK USED



50+ test cases and 72% improved coverage to ensure your streak never breaks 🍀

2. Repository link: <https://github.com/SEFall24-Team61/FitnessAppNew>

Animated video link-

<https://github.com/user-attachments/assets/23fbcd81-6461-4fec-9066-f7af804c861f>

Demo video link-

 burnout-walkthrough.mp4

Poster link-

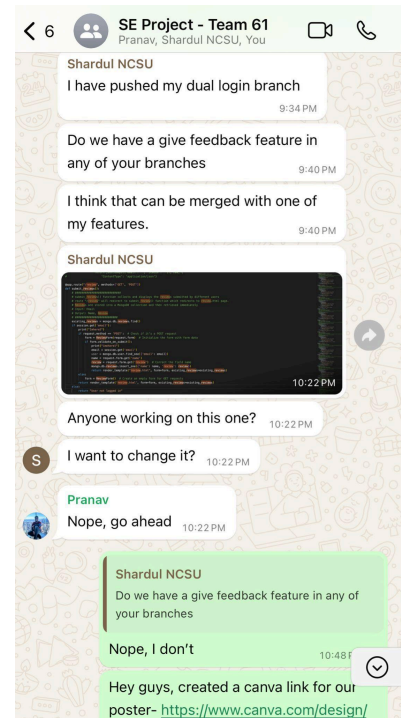
<https://github.com/SEFall24-Team61/FitnessAppNew/blob/main/static/img/Burnout.png>

3. Rubrics for Repo

Column 2 sum: 285

Notes	Self-evaluation	Evidence
Workload is spread over the whole team	3	Evidence in GitHub
but nevertheless, here is a track record that everyone is contributing a lot	3	Contributions per team member: 1. Shruti: Added Progress Monitor and Progress History feature, Added Workout streak feature, Simplified and refactored dashboard layout, Updated md files in repo Created poster and animated video for the team. 2. Pranav: Added workout recommendation feature using user inputs, modified, improved, and fixed community feature for users to add friends, send friend requests, and share workout data with their friends. Also improved test coverage and md files 3. Shardul : Added Register as a Coach Functionality. Added Features like assign Workout Plans to students. Check Exercise form

		reviews, Schedule a Meeting. Assign Video Tutorials for Students and Review Individual Progress.
Number of commits	3	58
Number of commits: by different people	3	Shruti: 19 Pranav: 20 Shardul: 19
Issues reports: there are many	3	Issues have been identified and added to the issues section in Github. The resolved issues have been closed by referencing the closing PR- https://github.com/SEFall24-Team61/FitnessAppNew/issues
Issues are being closed	3	Evidence in GitHub
Docs: doco generated, format not ugly	3	
Docs: what: point descriptions of each class/function (in isolation)	3	Newly added modules have documentation with sufficient level of detail.
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	3	Walkthrough video for new features: https://drive.google.com/file/d/1JrFG1_1Hd8auymBR45ZmKW4HuM_TYOi6/view?usp=sharing
Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing	3	Animated video in readme: https://github.com/user-attachments/assets/23fbcd81-6461-4fec-9066-f7af804c861f
Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	3	Link for animated video- https://github.com/user-attachments/assets/23fbcd81-6461-4fec-9066-f7af804c861f This video has also been embedded on the README file.

Use of version control tools	3	All team members installed git locally and are pushing new changes from local to remote using git commands.
Test cases exist	3	40+ new test cases have been added in this release and test coverage increased from 46% to 72%
Test cases are routinely executed	3	Workflows are being executed after every commit- https://github.com/SEFall24-Team61/FitnessAppNew/actions
Issues are discussed before they are closed	3	Issues are being discussed by team members and the overall workflow is discussed by the team before merging to main.
Chat channel: exists	3	<p>We have a WhatsApp group for discussion.</p> <p>Refer below screenshot:</p> 

Test cases: a large proportion of the issues related to handling failing cases.	2	
Evidence that the whole team is using the same tools: everyone can get to all tools and files	3	Tools used: VSCode, git, MongoDB
Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	3	
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	Visual Studio, Mongo, Python
Evidence that the members of the team are working across multiple places in the code base	3	Commits made in different directories including workflows
Short release cycles	2	<p>Issues are being worked on in parallel and team members are committing and pushing the changes as and when they are ready.</p> <p>We had started working on a different repo earlier and released features there. However, we switched everything to a new forked repo due to some issues. This is the link to the older repo, where we had started working well in advance- https://github.com/SEFall24-Team61/FitnessApp/commits/main/</p>
The file .gitignore lists what files should not be saved to the repo.	3	https://github.com/SEFall24-Team61/FitnessAppNew/blob/main/.gitignore
The file INSTALL.md lists	3	https://github.com/SEFall24-T

how to install the code		eam61/FitnessAppNew/blob/main/INSTALL.md
The file LICENSE.md lists rules of usage for this repo	3	https://github.com/SEFall24-Team61/FitnessAppNew/blob/main/LICENSE.md
The file CODE-OF-CONDUCT.md lists rules of behavior for this repo; e.g. see example	3	https://github.com/SEFall24-Team61/FitnessAppNew/blob/main/CODE_OF_CONDUCT.md
The file CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up; e.g. see example	3	https://github.com/SEFall24-Team61/FitnessAppNew/blob/main/CONTRIBUTING.md
The file README.md contains all the following	3	Please check the README file in repo.
Video	3	New animated video embedded on README file.
DOI badge: exists.	3	Evidence in Github
Badges showing your style checkers	3	Evidence in Github
Badges showing your code formatters.	3	Evidence in Github
Badges showing your syntax checkers.	3	Evidence in Github
Badges showing your code coverage tools	3	Evidence in Github
Badges showing any other Other automated analysis tools	3	Evidence in Github
Sustainability Evaluation		
Does your website and documentation provide a clear, high-level overview of your software?	3	

Does your website and documentation clearly describe the type of user who should use your software?	3	
Do you publish case studies to show how your software has been used by yourself and others?	2	
Is the name of your project/software unique	3	
Is your project/software name free from trademark violations?	2	
Is your software available as a package that can be deployed without building it?	3	
Is your software available for free?	3	
Is your source code publicly available to download, either as a downloadable bundle or via access to a source code repository?	3	
Is your 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	
Is your documentation clearly available on your	2	

website or within your software?		
Does your documentation include a "quick start" guide, that provides a short overview of how to use your software with some basic examples of use?	3	
If you provide more extensive documentation, does this provide clear, step-by-step instructions on how to deploy and use your software?	3	
Do you provide a comprehensive guide to all your software's commands, functions and options?	3	In the demo video and animated video
Do you provide troubleshooting information that describes the symptoms and step-by-step solutions for problems and error messages?	1	
If your software can be used as a library, package or service by other software, do you provide comprehensive API documentation?	3	In Readme and function-description.md files
Do you store your documentation under revision control with your source code?	3	MD files in the repository contains documentation
Do you publish your release history e.g. release data, version numbers, key features of each release,	2	Key features are added to the poster, in the video, and other MD files

etc. on your website or in your documentation?		
Does your software describe how a user can get help with using your software?	3	It shows authors whom to contact for any questions
Does your website and documentation describe what support, if any, you provide to users and developers?	2	
Does your project have an e-mail address or forum that is solely for supporting users?	3	
Are e-mails to your support e-mail address received by more than one person?	3	
Does your project have a ticketing system to manage bug reports and feature requests?	3	We create issues on GitHub for all the features and bugs before each team member works on it
Is your project's ticketing system publicly visible to your users, so they can view bug reports and feature requests	3	
Is your software's architecture and design modular?	3	
Does your software use an accepted coding standard or convention?	3	
Does your software allow data to be imported and exported using open data	3	

<p>formats?</p> <p>e.g. GIF, SVG, HTML, XML, tar, zip, CSV, JSON, NetCDF, or domain specific ones</p>		
<p>Does your software allow communications using open communications protocols?</p> <p>e.g. HTTP, FTP, XMPP, SOAP over HTTP, or domain-specific ones</p>	3	
<p>Is your software cross-platform compatible?</p>	3	
<p>Does your software adhere to appropriate accessibility conventions or standards?</p>	3	
<p>Does your documentation adhere to appropriate accessibility conventions or standards?</p>	3	
<p>Is your source code stored in a repository under revision control?</p>	3	
<p>Is each source code release a snapshot of the repository?</p>	3	
<p>Are releases tagged in the repository?</p>	2	
<p>Is there a branch of the repository that is always stable? (i.e. tests always</p>	2	

pass, code always builds successfully)		
Do you back-up your repository?	2	
Do you provide publicly-available instructions for building your software from the source code?	3	
Can you build, or package, your software using an automated tool?	3	
Do you provide publicly-available instructions for deploying your software?	2	
Does your documentation list all third-party dependencies?	3	
Does your documentation list the version number for all third-party dependencies?	3	
Does your software list the web address, and licences for all third-party dependencies and say whether the dependencies are mandatory or optional?	2	
Can you download dependencies using a dependency management tool or package manager?	3	
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	3	

successful?		
Do you have an automated test suite for your software?	3	
Do you have a framework to periodically (e.g. nightly) run your tests on the latest version of the source code?	3	
Do you use continuous integration, automatically running tests whenever changes are made to your source code?	3	
Are your test results publicly visible?	3	
Are all manually-run tests documented	1	
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?	1	
Does your website state how many projects and users are associated with your project?	1	
Do you provide success stories on your website?	1	
Do you list your important partners and collaborators	1	

on your website?		
Do you list your project's publications on your website or link to a resource where these are available?	1	
Do you list third-party publications that refer to your software on your website or link to a resource where these are available?	2	
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?	3	
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	

Does your website and documentation clearly state the copyright owners of your software and documentation	3	
Does each of your source code files include a copyright statement?	3	
Does your website and documentation clearly state the licence of your software?	2	
Is your software released under an open source licence?	3	
Is your software released under an OSI-approved open-source licence?	3	
Does each of your source code files include a licence header?	3	
Do you have a recommended citation for your software?	3	
Does your website or documentation include a project roadmap (a list of project and development milestones for the next 3, 6 and 12 months)?	3	
Does your website or documentation describe how your project is funded, and the period over which funding is guaranteed?	2	
Do you make timely	2	

announcements of the deprecation of components, APIs, etc.?		
---	--	--