



ENSE 405

Scrum 2:

EconergyCalc - Home Energy Calculator Application

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Project Introduction

Aim

Develop an interactive web application for users to log electrical appliances and calculate total energy consumption.

Benefit

Provides weekly/yearly predictions and actionable eco-friendly alternatives.

UN SDG(s)

Meets UN Sustainable Development Goals 7 & 11.



UN SDG 7 – Affordable and Clean Energy



UN SDG 11 – Sustainable Cities and Communities

Source: <https://sdgs.un.org/goals/goal7>, <https://sdgs.un.org/goals/goal11>

Project Status

Status: Green

- MVP #1 and #2 have been completed.
- On track for the completion of MVP #3 before the next sprint cycle.
- Plans to potentially enhance the user experience with additional features beyond MVP.

Activities—During the past sprint cycle

Dashboard

- Implemented weekly/monthly energy consumption graphs.
- Users can add new appliances and its details.
- Displays list of user's previously added appliances which users can edit or delete.
- Users can log their appliance usage either by using a stopwatch or entering the time in seconds

Recommendations

- Provides generic energy-saving tips based on user appliance data.

Forum

- Allows community interaction through posts and discussions.

Project Issues and Changes

Project Issues

- APIs to advertise products such as Amazon Storefront are paid or require unattainable prerequisite necessitating alternative solutions
 - Potentially use an API to generate fake advertisements for the purposes of the project which theoretically will be replaced by legitimate advertisements in production


Activities—Planned for Next Week

Completion of MVP #3

- Improve on the recommendations to be more personalized and implement backend APIs to provide more energy efficient alternatives to users.
- Add ability for users to like or dislike posts and reply to other posts on the forum.
- Include gamification features by implementing a leaderboard to show the most active/helpful contributors on the leaderboard.

Implementation of Additional Features

- Explore and possibly implement additional mechanisms for users to easily add their appliances either by taking a picture or using the appliance's model number.



Thank you!
Questions?