



ENSE 400 SSE Capstone: Vlog 1 - Climate Awareness

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Team Introduction

Anupras Burokas

Role: Quality Assurance (QA) Tester

Mohamed Bashir

Role: Scrum Master / Developer

Timothy Pasion

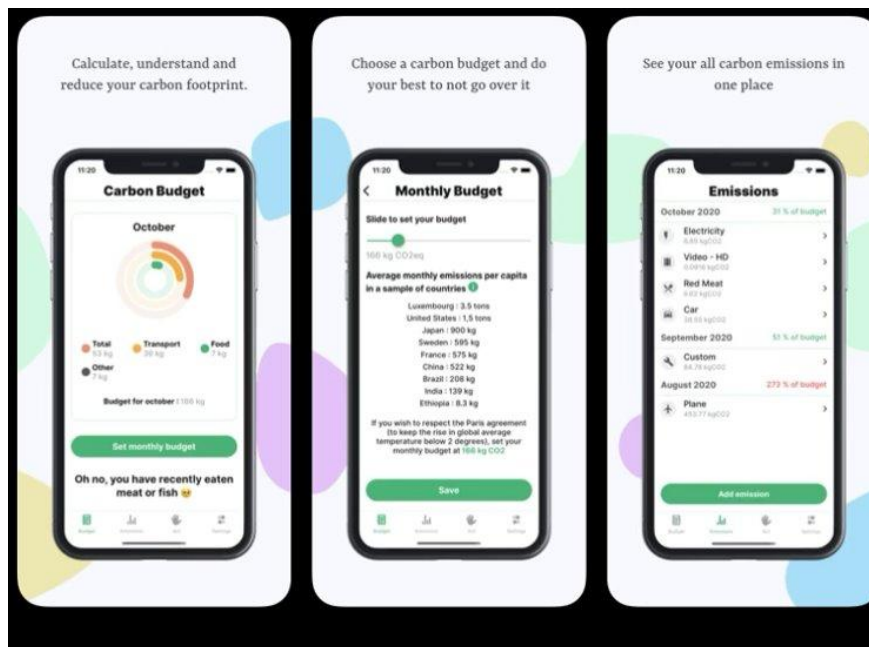
Role: Full Stack Developer



Project Background

- United Nations Sustainable Development goal 13: Climate Action.
- Focusing on Target 13.3: Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning.
- Climate change is caused by the increase of greenhouse gases (GHG) in the atmosphere.

What exists ?





Reason

People's activities contribute greatly to the cause of climate change. There is an opportunity to create an application that allows the user to learn about their carbon footprint and participate in various activities that can help to reduce their carbon footprint. This app has the following functionalities:

- Monitor user's carbon footprint (e.g., including carbon footprint calculator, questionnaires to determine user's carbon footprint usage, giving user's incentive to earn badges as long as their carbon footprint is low, share their carbon footprint score with others to challenge them and inspire others to keep their carbon footprint low)
- Ability to carpool with others that are nearby
- Chatting capability
- Social network functionality (interact with followers, share achievements, challenge others)
- Providing educational resources to educate users.



Impact

When we are done, the aim of this project is to educate the Community about climate change and how their carbon footprint contributes to the effects of climate change. This is done through various activities such as calculating their carbon footprint, asking questionnaires. Via these actions, we hope to encourage the users to take action to reduce their carbon footprint and challenge others to do the same.



Who

- North star customers
- Whose opinions matter?
- Where is your audience located?
- Where will users get their information from?



What are the constraints?

1: Map: (if launched to App Store / Play Store) Google Maps costs

2: Chat: Firebase realtime database costs

3: Security Constraints:

- Secure storage of user's personal information.
- Secure Location Services
- Filter out misinformation/disinformation from being posted
- Block any illicit content from being posted