TEAM 11 - Green Sharing

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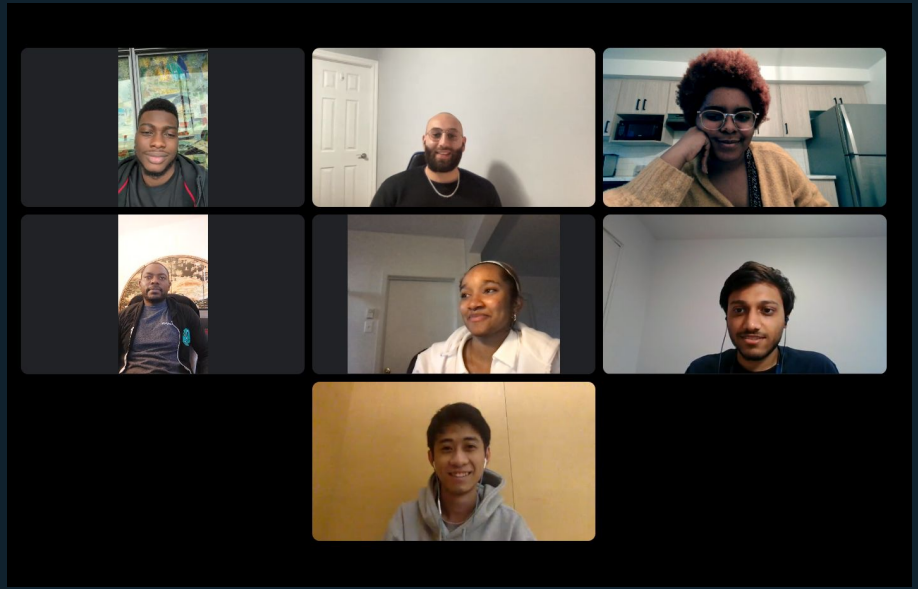


Problem

Earth Day expressed a need for application that could help :

- Organize multi-parties' interactions
- Optimize (by reducing waste) the gleaning process in Canada

Solution: Green Sharing

Personalization of the user experience

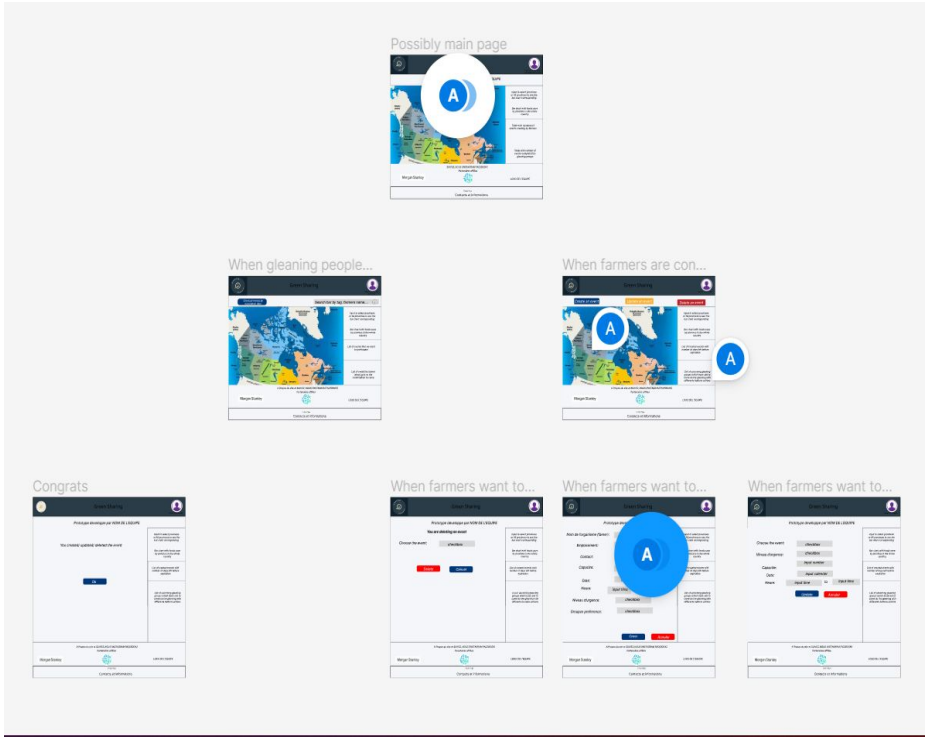
Interactive map

Gamification with the Review/Score feature

Ability to prioritised event (high/urgent, mid, low)

Agile Method

- creation of an interactive prototype on Figma [GreenSharingPro]

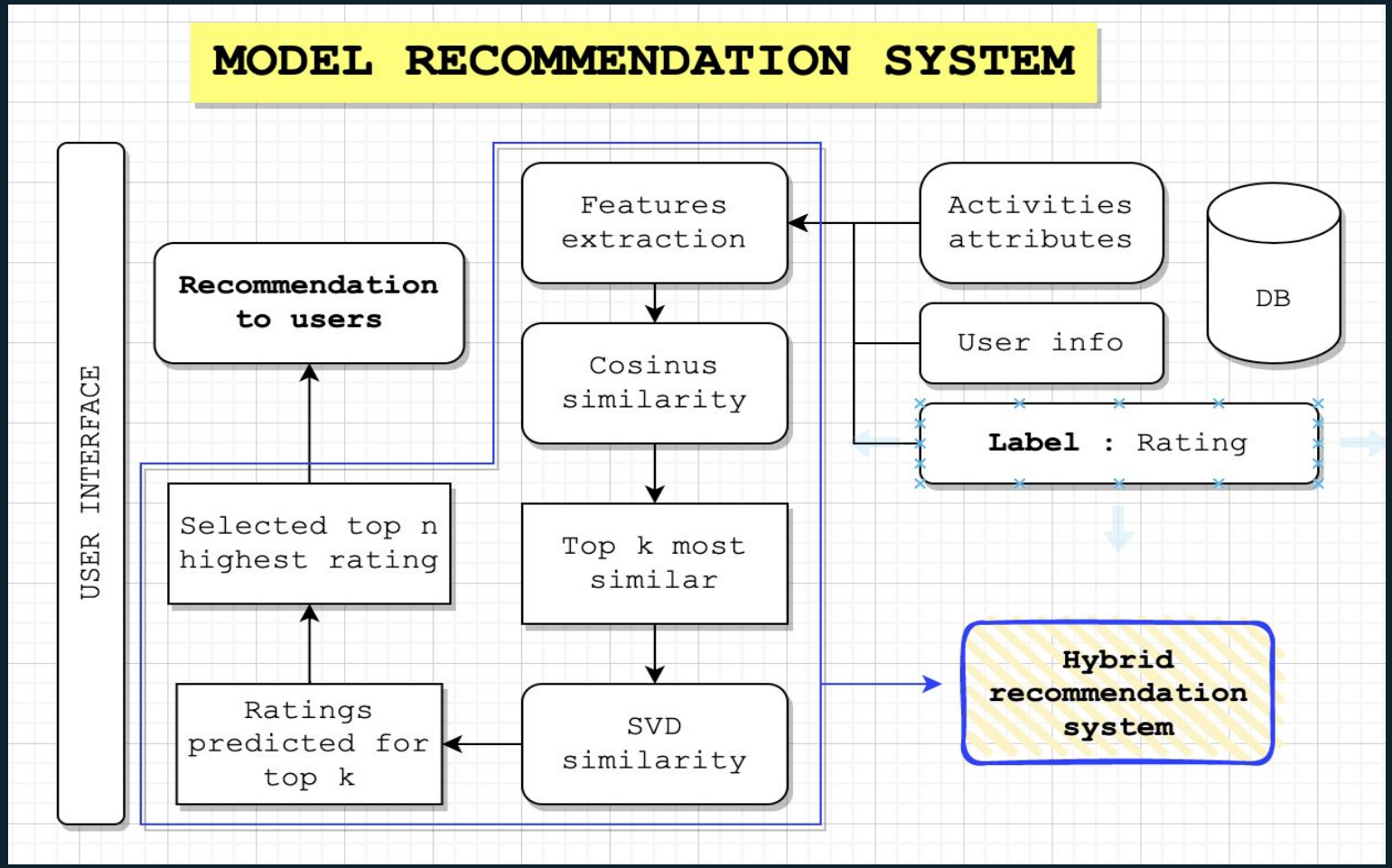


DEMONSTRATION

Use the link below to see the prototype on your device:

PERSPECTIVE

- Carpooling capabilities between gleaners
- Ludification of the platform with a gallery page and satisfaction analysis using ML tool
- OAuth Support (google/facebook) (already in the DB)
- Offline mode enabled
- Automatic matching on Gleaning Events/Gleaner/BankFood using ML model


MODEL RECOMMENDATION SYSTEM
USER INTERFACE
Recommendation to users
Selected top n highest rating
Ratings predicted for top k
Features extraction
Cosinus similarity
Top k most similar
SVD similarity
Activities attributes
User info
DB
Label : Rating
Hybrid recommendation system

WHY Green Sharing?

A ready to plug application

Common spread technologies chosen, with a ready to go app to allow developers community to contribute on future coding with minimal efforts

Easy to use and accessible app on any device

Eco-Friendly application

Delivery package

Green Sharing

FIGMA design

MCD + XMD + ML Diagrams

Use cases documents

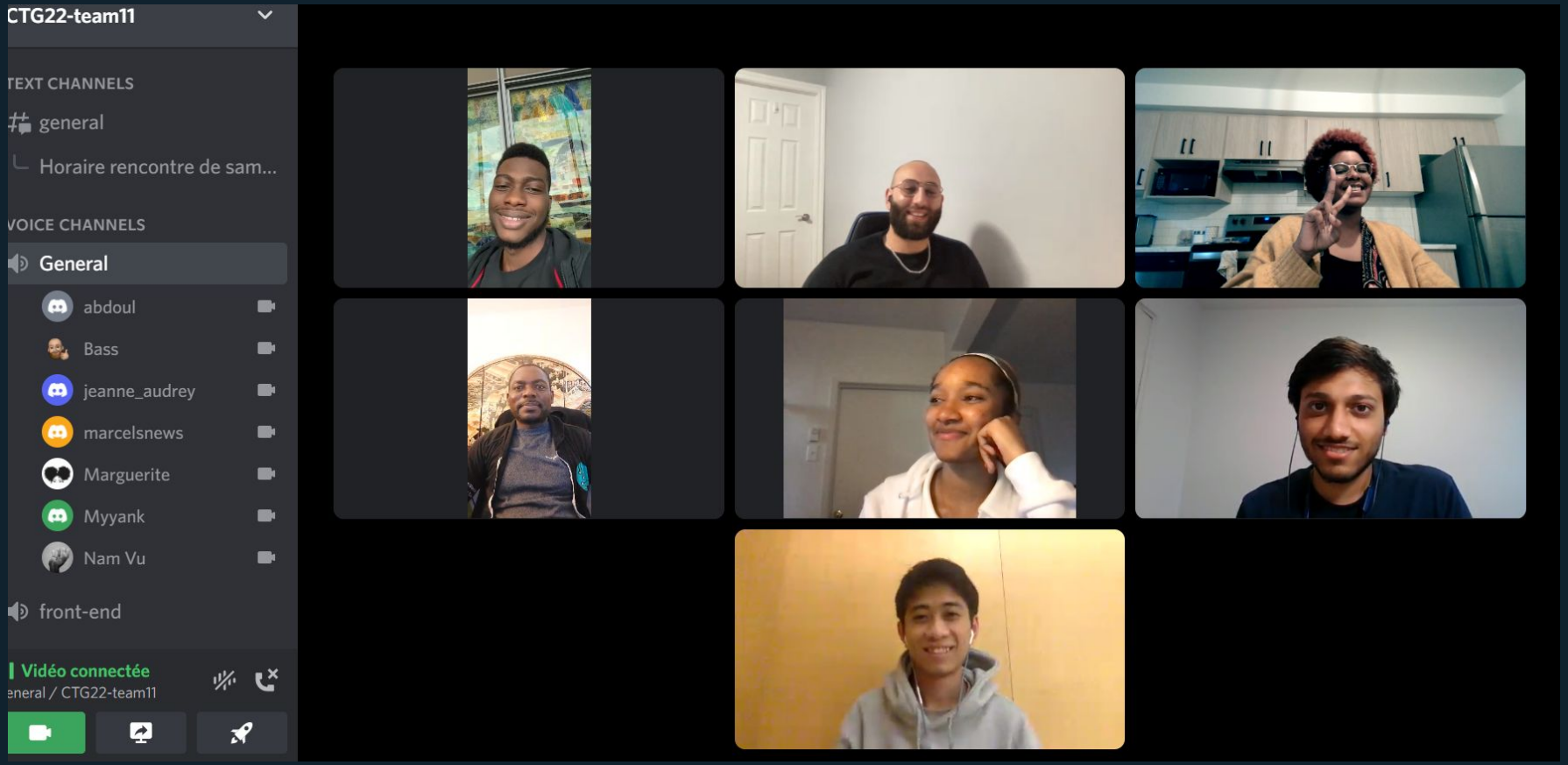
Pitch

Database image

ML model image

UI Screenshots

GitHub

REST API

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