

Speech

partie 1:

Good afternoon, I'm Jeanne, member of team 11 : the "GREEN-SHARING".

Earth Day expressed the need for an application that could help organize and optimize (while reducing waste) the gleaning process in Canada.

We envisioned an application that would not only solve Earth Day's problems but also facilitate the interaction between gleaners, farmers and food banks. We also enabled gamification and automated matching capabilities.

Green Sharing solution offers the possibility to customize the user experience according to their role, it also offers an interactive map to optimize the visibility of events posted by farmers and match them to the needs of gleaners. We can also see the ability to mark events according to commodities and the priority of the event (*high/urgent: red, medium: orange, moderate: yellow, normal: green*). An important point here is the feedback capability we have added: feedback on events, feedback/reviews and scoring on gleaners that allows us to identify who is trustworthy ...

To realize this project, first, we did a functional analysis through the realization of a prototype on Figma, design of Database Model to hold all feature requirements, creation of the database and finally the implementation of a fully configured and functional REST-web-API to connect to the front end and manage all the business logic as per requirements (*each part is independent and fully functional; we just need to implement the rest of features.*)

Demo:

You can use the link below to try the prototype with me in real time. please turn your phone screen horizontally

Everything that you will see is fully implemented and ready to be plugged and played.

The login page is the real end-to-end integration; the rest are mocking data but the backend API is already set up and ready to plug and play.

Scenario 1 (SCENARIO NAME) : Show the home page show the map and the fact that without being logged in you can see the available events and put in perspective that the events are prioritized and that later on you can add zone color codes on the map

Scenario 2 (SCENARIO NAME): Go to log in to <pierre01 and password pierre01> show the create event and mention that when you create an event it is added to the general table show the event articles that will allow to encourage gleaning and participation in events then show the intention to set up statistics

Scenario 3 (SCENARIO NAME): Log out and quickly show the register page and then log in as gleaners account <1234 password 1234 or 123456 and password morganstanley> show the table of events in which we have decided to participate the

table for which our participation is confirmed and the table of all events shows that from the map we can click to participate which makes it efficient to use.

Scenario 4 (End-to-end connection with backend) : show the swagger page, demo the login and demo the getAll Accounts ...

- rappelez moi les points techniques

Front:

VueJS , Map from Google map, vue router, javascript et typescript

Back:

EntityFramework, MSSQL, AZURE, dotnetCore

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future:

Afterwards, we will present the features already implemented in our database that we would like to improve and deploy in the future.

We have planned to help reduce carbon by offering carpooling between gleaners and a dashboard showing global statistics to encourage people to participate and to show the efficiency of the solution. To optimize our accessibility, we want to enable OAuth to remove account creation constraints. To promote the gleaning activity, we have a gallery page in which users could upload and share their pictures and chat with others. We will also be able to integrate the offline/online mode of an event (would allow us to know if the site of the event has an internet network). Even bigger, we want to use ML tools to analyze satisfaction (sentiment analysis) and we have an architecture of machine learning model that helps build an automatic matching that could help users match activities based on their profiles and previous activities and also to simplify the feedback principle by linking comments to the "star" feature for gleaners. And we have all needed to implement this model and deploy it in realtime.

Why Green:(conclusion?)

Portability, Simplicity, Efficiency, Plug to play and Ready to use working end to end solutions are key points of our solution; it's more than a simple prototype ! Indeed, Green Sharing is an application made with modern spread technologies and is a ready to go app allowing developers communities to easily contribute to future coding with minimal efforts.

At the moment, the application is usable, the demo features are functional with live real code; also, non-implemented features are already supported in the database model.

It is an easy-to-use application that can be accessed on any device.

Our solution focuses on the ecological and voluntary aspects of the process, so it offers features such as carpooling to promote respect for the environment.