To do list:

(with deadlines)

- (done) Send form with team information
- (done) Think of a app name and idea
- (done) Read the official document with the jury criteria
- (done) Create a shared GitHub repo
- (done) Make presentation (copy paste info from here)
- (done) Design app templates to represent it visually
- Think of an short description (one paragraph)
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- Turn in form with slides and github on time

Presentation:

(Order of slides)

- First slide: who are we (42 students), team info
- Next slide: about gamification in our school (studying is also dull)
- Next slide: what problem do we have to solve (important)
- (…) challenges: what makes it difficult for the user and advisor?
- (…) solutions: what will we do to solve the problem?
- Next slide: our app (ideas with images/representation)
- Next slide: compare website and app flow (user experience)
- Final slide: bonus features

Tasks:

(Divided by teammates)

Alexandru Ana

- Create a github repo
- Choose theme and fill in the slides
- Check criteria with Swenne

Goncalo

- Make templates - mobile prototype
- Design the icons / draft of app layout
- Check user flow with team

Swenne

- Help add information in the slide
- User experience (also suppliers)
- Practice pitch with everyone

Anna

- Search for images and extra inspiration
- Animate slides with Swenne

ABOUT THE PROJECT

Main categories/problems (energy waste):

Cooking, lighting, heating house, heating water

How it is now:

fill in a complicated survey, then have someone come over to check everything and then wait for another professional to evaluate it and give you advice after that you have to think about the offer/assessment. That is more costly and slow.

Solution:

Let users send in pictures instead of numbers, info about the rooms/windows through functionalities in that app. Then the data package will be sent directly to suppliers/advisors for an accurate review of that specific situation (remotely). That makes it faster and user friendly.

What's expected:

A mobile app on which users can upload images and turn in information about specific rooms, features and equipaments. It has to be lean and agile, lowering the barrier for both parties - less steps and costs. With emphasis on 'more fun'!

Two main steps:

Gathering information and then getting feedback on it. Maybe the 3rd would be something like making an offer, purchasing a service or materials. A fourth extra feature would perhaps be monitoring?

Ideas (brainstorm):

Alexandru ideas:

Add AR so that the final customer could see a preview of the renovated house, maybe it will help in the decision process.
As a bonus, we could add an IA process to automatically decide the type of the roofing insulation, floors, etc.

We could use a service to automatically measure the amount of space by reading the photo and fill in the data in the survey. (check tool paste

Goncalo ideas:

Everytime you finish your survey you get tasks based on your answers (places you can improve).
Tasks for each category - if you finish it you get coins. (Home upgrades)

Collect coins and finish with a shop page where you can shop for discounts or plant trees.

User profile (with tasks list, badges and coins collected)

Swenne ideas:

Maybe let people draw or create a floor-plan of their house/rooms so you can get an idea of how big the spaces are instead of filling in numbers of exact area/size.

Next to features, the basic app functionalities should be easy and fun, so perhaps we could make a quiz where the user just clicks on the image that is closest to their situation. Like, 'which one of these do you have in your house?' with images of types of cooking devices, lamps, heaters, etc.

A 'checklist' system in which they upload an image for each step. So when they start upgrading/changing their house. Updating the pictures and tracking the costs difference (how much did they save).

About the data package (gathering information), organize it with one folder for each room?
Or different categories such as 'windows', 'roof', 'water system', etc?

Choose your avatar (emoji of houses)
_____> _____> _____> progress bar

App sections:

Profile
- Badges
- Coins (money saved)
- Surveys completed -> see what they uploaded

Surveys
Results
Tasks

Optional: AR Filter (purchased with coins).
Optional: Shop (discounts with coins)
Optional: Estimate Money saved instead of coins.

CRITERIA:

- ## Feasibility

  How realistic and achievable is our solution?
  The technology we use is already there. We are proposing a mix of tech that already exists and that already works so that our solution is going to be not only feasible but also cost effective.

- ## Scalability

  How easily can this solution be scaled up to make even more impact?
  We can make different editions like 'business edition', 'industrial edition', 'transport edition', etc. Also make it international, not only in Holland. Our solution is highly automated, so it can be used by a large number of users simultaneously without the need for a human interaction on the backend.

- ## Accessibility

  How desirable and accessible is the solution for all stakeholders involved?
  Our solution is simple, fun to use and helps to involve the customer by using reward badges for each step completed. This way, the customer will want to complete all the steps in order to get all the badges.

- ## Creativity

  How creative is the case solution provided?
  Oh come on, we had fun thinking about how to make this quiz fun! Apart from this, we are using a gamified process in an unusual way in order to grab and keep the customer's attention.

Description:

Our solution tackles this challenge in a creative and fun way, aiming to deliver a product that would be both useful to the user (homeowner) and supplier (advisor). It allows images to be uploaded through gamified functionalities in the app - in the form of a playful quiz. This way, if a user can answer simple questions (like windows type and count) but has issues with some more technical ones (like walls insulation type, etc.), they can simply decide to skip the question or the whole section or again to upload only photos. The data package will then be sent directly to suppliers/advisors for a first accurate review of that specific situation (remotely). That makes it faster and user friendly. Based on the first evaluation, the supplier / advisor will give feedback and / or ask for some other details.

Resources:

Design, images and icons:

- **https://www.freepik.com/**
- **https://www.flaticon.com/**
- **https://www.canva.com**
- **https://drive.google.com/file/d/1ZXGTIFRGfcbJrinz_ozJaiG0uiiaP7EL/view?usp=sharing**

- www.Verbeterjehuis.nl -> complicated / technical