About // View Projects // Merch // Donate // Log In
Citizen Tree
Connecting enthusiasts, seed collectors, growers and land owners to establish new woodland

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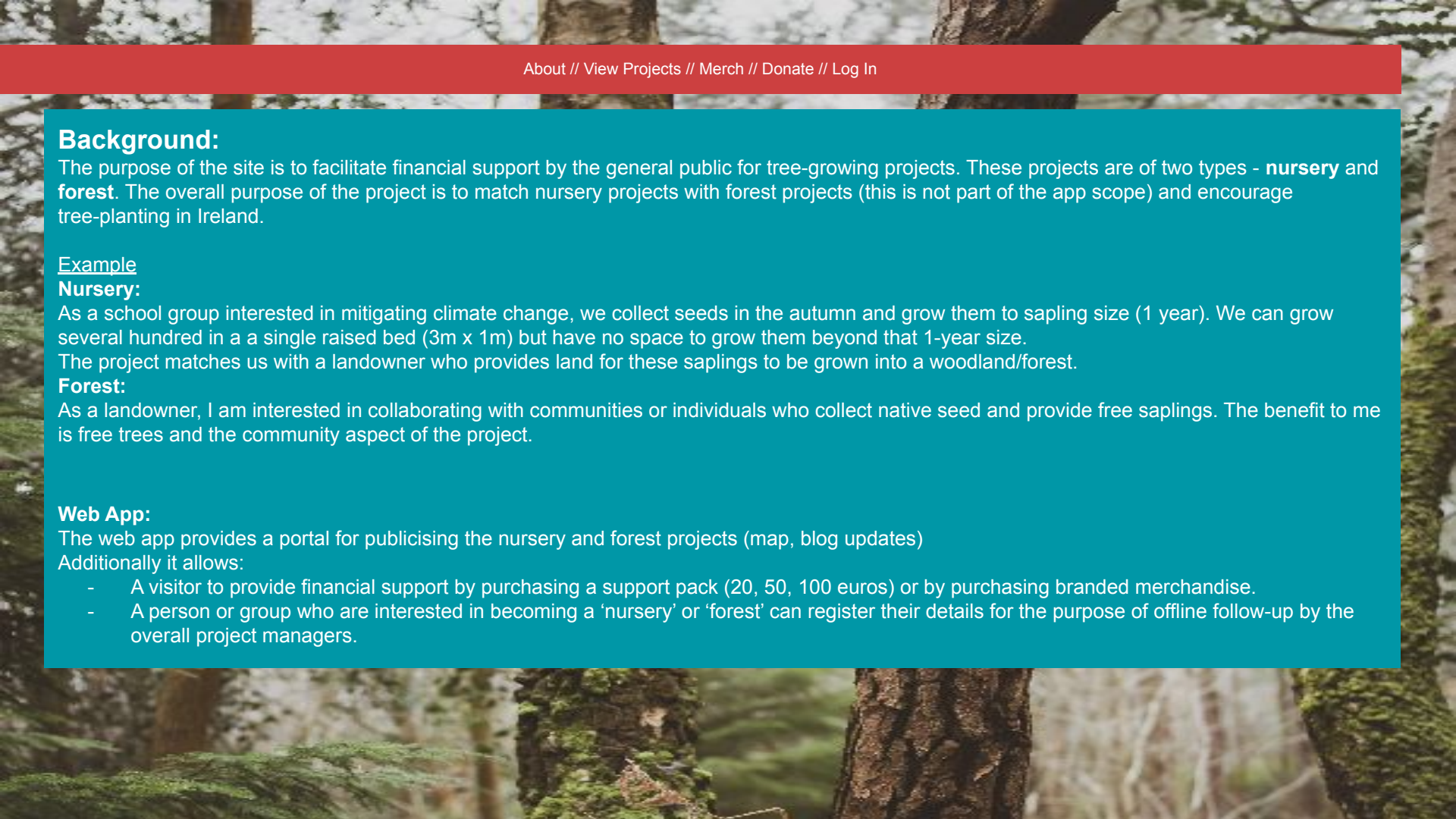


Background:

The purpose of the site is to facilitate financial support by the general public for tree-growing projects. These projects are of two types - **nursery** and **forest**. The overall purpose of the project is to match nursery projects with forest projects (this is not part of the app scope) and encourage tree-planting in Ireland.

Example

Nursery:

As a school group interested in mitigating climate change, we collect seeds in the autumn and grow them to sapling size (1 year). We can grow several hundred in a a single raised bed (3m x 1m) but have no space to grow them beyond that 1-year size.

The project matches us with a landowner who provides land for these saplings to be grown into a woodland/forest.

Forest:

As a landowner, I am interested in collaborating with communities or individuals who collect native seed and provide free saplings. The benefit to me is free trees and the community aspect of the project.

Web App:

The web app provides a portal for publicising the nursery and forest projects (map, blog updates)

Additionally it allows:

- A visitor to provide financial support by purchasing a support pack (20, 50, 100 euros) or by purchasing branded merchandise.
- A person or group who are interested in becoming a ‘nursery’ or ‘forest’ can register their details for the purpose of offline follow-up by the overall project managers.

About // View Projects // Merch and Support // Log In/Register // Get Involved

Projects App

What
Display info about projects.
Add a link to the 'Support' page for user to purchase a support package.
Allow search by text or using location?

Models:
Project
- ID
- Status
- Location (lat/lng)
- No of people
- Project lead
- Contact details
- No of trees
- Image
- Species
- Short Desc
- Description
- Category (foreignkey)

Category
- Nursery
- Forest
- In Prep

Map App

What
Display projects on a map.
Use lat/lng and short description for info

Tech
Folium and Leaflet?

Blog App

What
Displays updates on the progress of existing projects
Model:
Blog
- Title
- Body
- Date
- Project (foreign key - project ID)
- Author
- etc

Tech
Django

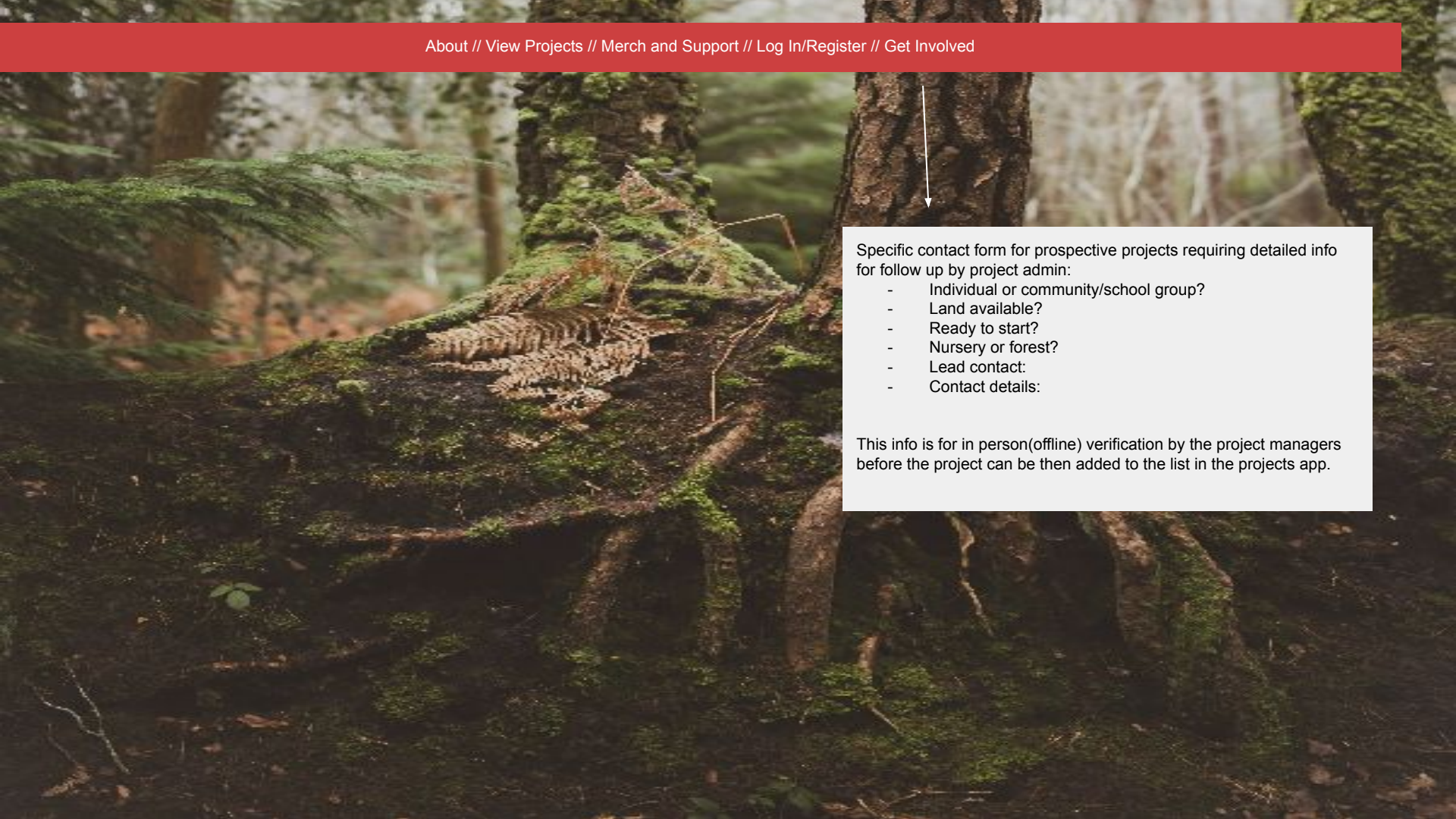
Support App

Models:
Product
- ID
- Price
- Description
- Image
- Size (maybe)
- Referring project (foreignkey - project ID in Projects app)

Category
- FinSupport
- Merch

What:
Allow site visitor to support the project by purchasing a support pack (e 20/500/100 euros)
Or purchasing some products - eg fruit trees

Tech:
Stripe



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Specific contact form for prospective projects requiring detailed info for follow up by project admin:

- Individual or community/school group?
- Land available?
- Ready to start?
- Nursery or forest?
- Lead contact:
- Contact details:

This info is for in person(offline) verification by the project managers before the project can be then added to the list in the projects app.