



GROUP
PROJECT -
TECH
RIDERS

FIND
MY
PLANT



PROBLEM



Deforestation is a major problem that Sri Lanka faces. Many endemic and endangered plants can be lost forever throughout the development process of the country. Many people do not know about these plants and their value. People are not even aware of the plants around them and do not take any steps to protect nature.

We believe the cause of this is that people are not able to access information about the plants around them with their busy life.





SOLUTION



We will create a database with information of all the plants in Sri Lanka and an Image Classification application that can be used in a desktop or mobile web browser. This will enable the user to capture an image of a plant leaf anytime and anywhere and access our database to get information on that plant. This application can be used as a tool to protect our forests and as a tool to learn about the plants around us.

INNOVATIVENESS

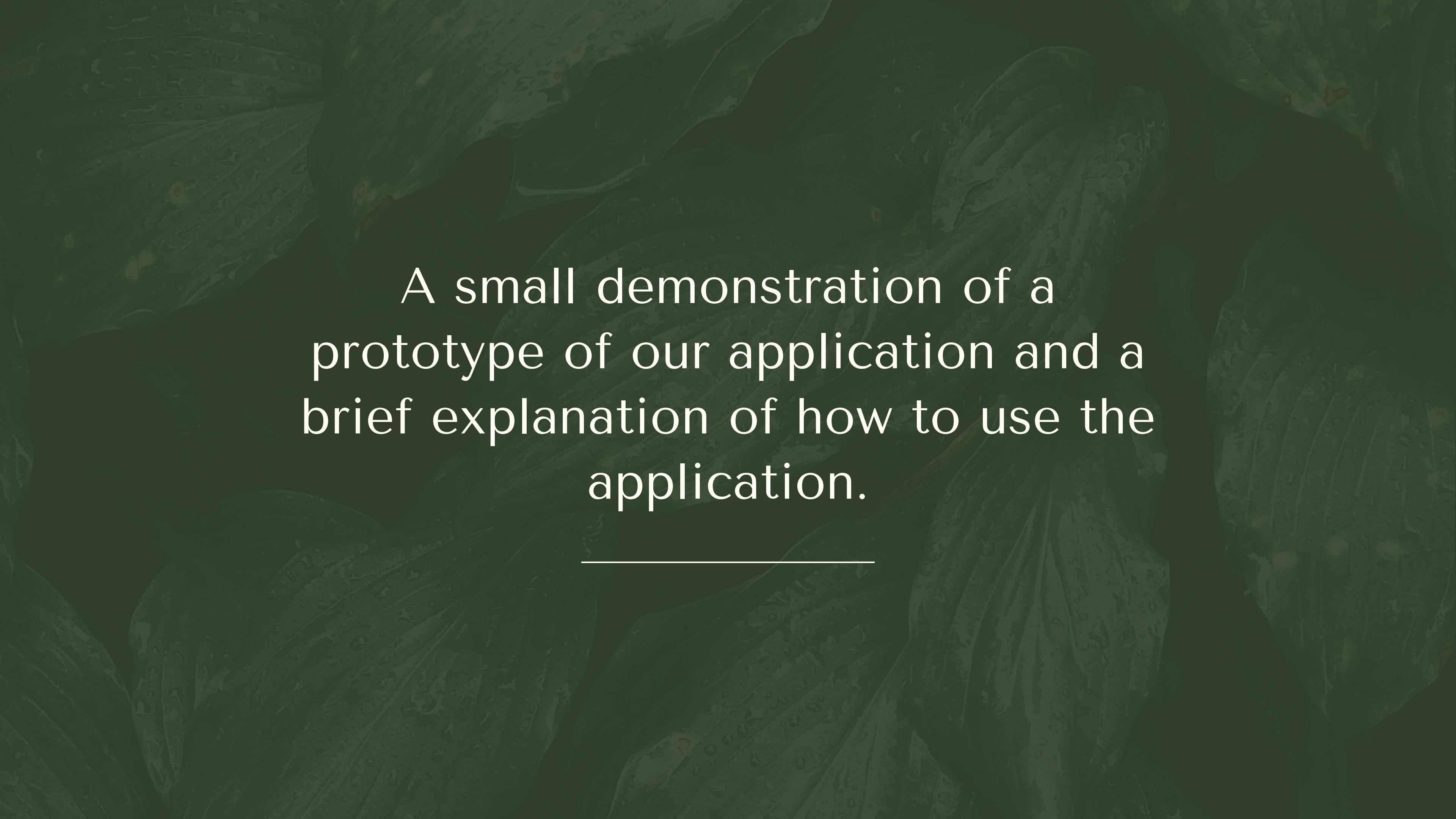


Our web application will mainly be focused on the mobile platform encouraging our users to explore and learn about the nature around them. It will be a fun experience as all you have to do is scan the leaf of the plant and access all available data on that particular plant. We plan to have a location tag on every plant scanned which will enable users to know where exactly the plant they found is and officials to track activity near endangered and endemic plants.



A decorative border of stylized flowers and leaves in a light green color, framing the central text.

SNEAK PEEK



A small demonstration of a prototype of our application and a brief explanation of how to use the application.

TECHNOLOGIES USED





TensorFlow.js

USED TO CREATE THE
IMAGE
CLASSIFICATION
MODEL



USED TO CREATE THE
WEB
APPLICATION



USED TO CREATE THE
DATABASE

FUTURE PLANS





Users will be able to use our website with restrictions for free and use all of our services for a 1\$ monthly subscription. We plan to start a movement of planting a new plant for every 5 new plants recognized by a single subscribed user encouraging users to deepen their bond with the nature. A leaderboard will be created on the number of new plants scanned motivating our users to learn and discover more about new plants and contribute to protecting the forests and nature as a part of their daily life.

THE CREATIVE MINDS

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PROJECT PLAN

RISK ASSESSMENT



MEETING MINUTES





ANY QUESTIONS?

THANK YOU!
