**PROJECT NAME: URBANLY GREEN**

Making the best use of Urban spaces for Responsible Production and Green Consumption

**Real world problem identified:** Platform to trade fresh produce grown in urban areas, easy access to resources for implementing sustainability solutions in urban spaces and providing a platform to trade and reuse garden waste.

**URBANLY GREEN App:**

This app aims to address what an individual can do to address climate change. It intends to provide a platform to trade fresh produce grown in urban areas whilst encouraging implementing sustainability solutions applicable to their residence by providing easy access to service providers. It also intends to provide a platform to trade garden waste as raw materials, Do-It-Yourself videos and blogs on adopting ecofriendly mannerisms, information on pest control, must have garden tools etc.,

We intend to encourage people to make use of whatever limited space they have effectively. Referral marketing and rewards-based models to be adopted to encourage climate change advocates, develop themselves as influencers and build a community committed towards fighting climate change along with an opportunity to monetize as an incentive. This app is unlike any other app currently in the market.

This app is being built with Ionic framework in reactjs (used to create the UI) along with nodejs with IBM Cloud services.

**Features of the app:**

Platform to:

* Trade Fresh produce grown in urban areas
* Trade Reusable garden waste as raw materials
* Trade Recycled products made of garden waste
* Purchase Garden tools
* Purchase Seeds/plants/pesticide etc.,
* Purchase eco-friendly products such as mud pots and pans, jute bags, flowerpots etc.,

Access Service Providers for Implementing Sustainability solutions at their residence:

* Display a list of service providers based on the Area of radius (in KM) and Type of Inspection (Free or Paid) selected.
* Sustainability solutions include implementing Rainwater harvesting, Compost management, Solar panel installation and to find gardeners who can help add greenery to their space and help in garden maintenance.

Blogs:

* Providing information on the various ways in which the garden waste can be used e.g.: use coconut shells in making art, how to reuse broken flowerpots etc.,
* Providing information on implementing rainwater harvesting and composting by oneself
* Providing information on which fruit/vegetable/ flower to choose for your garden based on area, weather etc.,
* Addressing common garden issues, which garden tools to choose, pest control, medicinal plants, and their uses, must have garden tools etc.,
* Providing a platform to showcase success stories to encourage people in developing a culture of small-scale farming

Customer interaction:

* Customers to showcase their gardens, how they utilized their space to maximize greenery and monetize on their garden produce
* Platform for free/paid virtual lessons or in person sessions on pottery, gardening lessons etc.,
* Organize events such as garden tours, kid friendly sessions, etc.,
* Organize interactions with experts/horticulturists
* Encourage customers to become Green Warriors by conducting plantation drives, marathons/walkathons to spread the message on cultivating and adopting eco-friendly mannerisms.
* Enable people to collaborate with experts and hobbyists to effectively use their resources in building their home farm

**Link to Git Hub working source code repository:**  <https://github.com/vaaluvishnu5146/UrbanlyGreen>

**Link to YouTube demo video:** [https://youtu.be/pO5RJzvhnCA](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fyoutu.be%2FpO5RJzvhnCA&data=04%7C01%7Curmila.gumata%40infosys.com%7C197629884d244b5ef7a908d92ee995e4%7C63ce7d592f3e42cda8ccbe764cff5eb6%7C0%7C0%7C637592403046564600%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=Bk%2BfFGRXbMbKU8nRaRKMJJvOGqhiLbxRukpMB0EgGvI%3D&reserved=0)

**List the IBM Cloud Services or IBM Systems used in the solution:** IBM Cloudant and IBM Cloud functions to create a server less backend service for the app.

**Ideated and developed by:**

**Team Name: Green Warriors**

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