

Land Locator



Course: ENSE 805

Topics in computer supported collaborative work

Presented by:

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Logo:



Project definition:

- I am going to develop the website named "**Land Locator**" for the people who do not acquire the land and they want to do gardening, farming, landscaping, beekeeping, etc. Through this website, they can search nearest location of the land (a plot/ farm) on rent or lease through the details provided by the land owner.
- By this project, my main aim is to increase the agricultural productivity and incomes of both a person and the government which boost the economy as well. Also, the local community can consume the food which is chemical-free, planted and grown by themselves which results in slowing down the growth of health hazards.

Project Goal:

- This project focuses on United Nations Sustainable Development goals:
- Goal-2 (Zero hunger)
 - Subgoal-2.3: Productivity and incomes
- Goal-12 (Responsible consumption and production)
 - Subgoal-12.2: Sustainable management and efficient use of natural resources.

United Nations Sustainable Development Goals:

- Goal – 2.3 :

"By 2030, double the agricultural productivity and incomes of small-scale food producers, particularly women, indigenous people, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment."

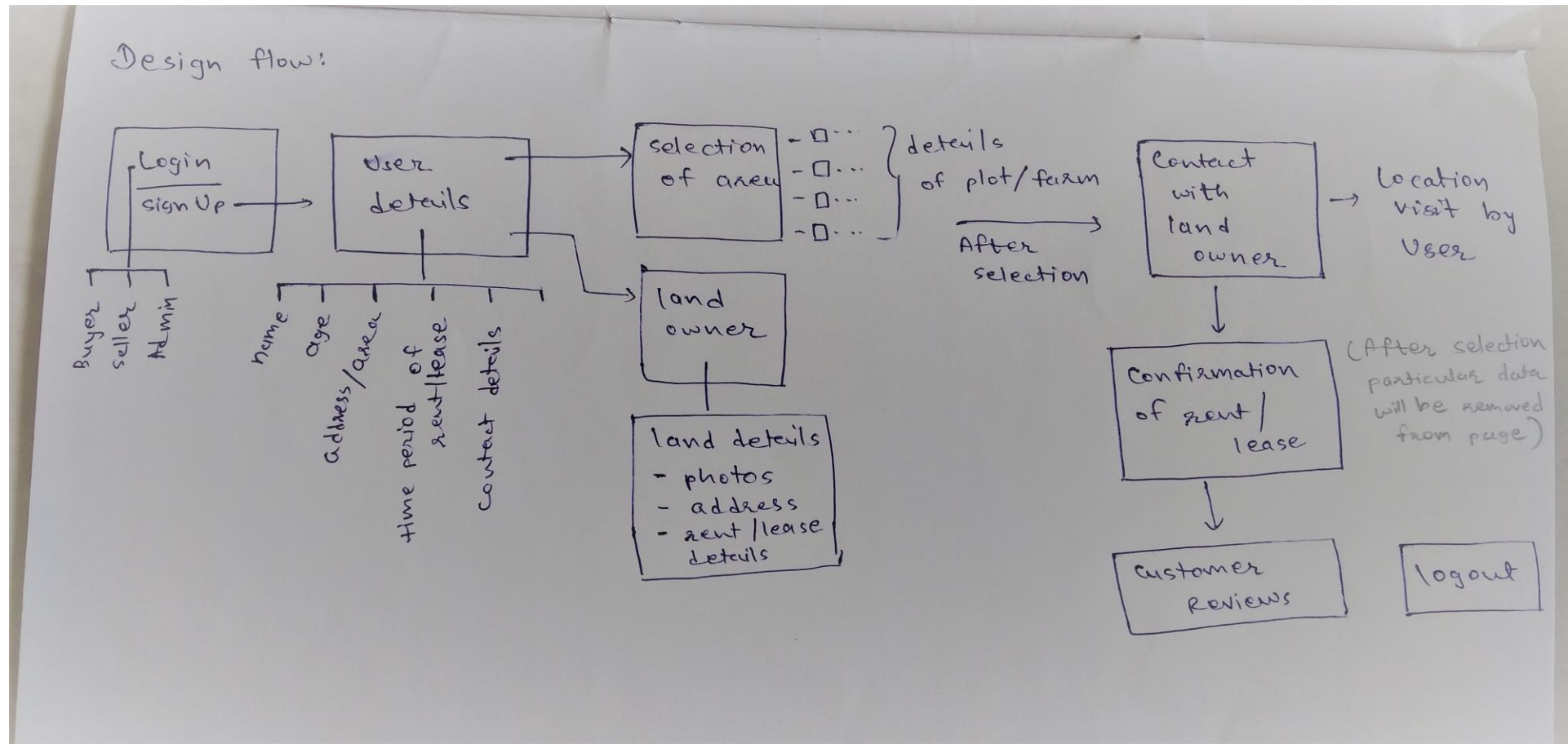
- Goal – 12.2 :

"Sustainable growth and development requires minimizing the natural resources and toxic materials used, and the waste and pollutants generated, throughout the entire production and consumption process. "

Functions:

- Login activity
- User details
- Update a post for proving land on rent or lease by land owners.
- Search nearest land availability
- Check and see the landscape via photos
- Create contact with land owners
- Verification and confirmation of the place.
- Access the land for gardening, farming, experiment and practices on plants.
- User reviews.
- Logout or exit the page.

Glimpse of work design:



Major Audiences:

- Gardeners – For gardening
- Farmers – for farming
- Botanists – for experiments and practices on plants
- Horticulturists – grow and sell plants in garden centers
- Beekeepers – Honey production and crop pollination
- Landscapers – Build and maintain gardens
- Land owners – Post his land for rent or lease
- Community members living in high-rise buildings and apartments

Current focus:

Community spread:

- On the initial ground, my focus is to develop the project for the members of my community. After analyzing the scope and reviews of it, I will expand the communities and other functionalities in this website.

Technology configuration:

- For this project, I am using Django framework.
- It follows the Model View Template (MVT) framework.
- For the front-end development, I will use HTML and CSS. (include JavaScript if needed.)
- Database - SQLite

Future scope:

- After developing main functionalities, here are some features that I would like to add in this project:
 - i. **Built-in Calculator:** This feature estimate the total cost of the rent/lease according to the dimensions of the land provided by the land owner.
 - ii. **Marketing portal:** After harvesting the crop, farmers or gardeners can update a post for selling their production.

Thank You!