**Mapping scenario**:

The importance of forests cannot be underestimated. We depend on forests for our survival, from the air we breathe to the wood we use. Besides providing habitats for animals and livelihoods for humans, forests also offer watershed protection, prevent soil erosion and mitigate climate change. Yet, despite our dependence on forests, we are still allowing them to disappear.

Deforestation and forest degradation can happen quickly, such as when a forest is clear-cut to make way for a palm oil plantation or a new settlement. It can also happen gradually as a result of ongoing forest degradation as temperatures rise due to climate change caused by human activity.

In order to protect the forest as much as we can, we should familiar with the current forest coverage so that we could use correct and effective method to deal with it.

**What do I want to get out of this project?**

* An intuitive interface that visually represents the data in a meaningful way and allows for interaction with the data to see more detail.

**What do I want the users to get out of it?**

- See the current forest coverage situation of each county in Kenya.

- Learn of the potential for canopy enhancement in Lexington, including the goal of 30% canopy and the potential for 54% canopy, and understand how such small increases in percentages can radically increase the benefits Lexington and its citizens receive from city trees

- Locate and position themselves spatially (their residence, their place of work, their neighborhood, council district, etc.) within the canopy situation in Lexington and be educated about the specifics of canopy (current, goal, potential) for the area(s)

- Be informed of opportunities for involvement and feel an urgency to take part in the urban forest movement in Lexington

**Content requirements:**

- Data displayed on base map includes the counties of Kenya

- County specific information provided presented to user (popup or hover)

- Legend will inform users of the map’s current content

**Functional specifications:**

- Data layers tiled and drawn on map

- Ability to zoom manually (user chooses)

- Popups or hover actions on each county providing specific information including total area, forest area and the forest cover percentage