

# **Nominal Use Case Examples Document**

## **Urban Green Stormwater Infrastructure**

Group 4

### **Nominal Use Example**

Joe first accesses the website and is greeted with a one sentence summary of what urban green water infrastructure is and a picture of green space next to a road. There is a large header that reads Urban Green Stormwater Infrastructure, with a UGSI logo under it. Once Joe scrolls down, she will see a paragraph describing the first type of green stormwater infrastructure, with bulleted points describing which scenarios this type of infrastructure is best suited for. Two to three images are included with each type of infrastructure on the pages. After learning about the first type of green infrastructure and having scrolled down to the bottom of the page, the user will see a button on the bottom center of the content that will allow them to go to the next page, showing the next type of infrastructure and flooding risk information. This process will be the same for all 7 types of infrastructure. Once at the bottom of the last page, the user can click a similar button to the one previously described, and go to a quiz page. Here, she can take a short 8 question quiz to test their knowledge, and when complete, selecting the finish quiz will show the correct answers with each question. Joe can then navigate to the map using the navigation bar. Joe can pan around the map to see where the different infrastructures are located, and zoom in on them using the scroll wheel or the +/- buttons on the top right of the page. Joe likes this and wants to upload his own photo, so she selects the "Add location to map" button, and is moved to the upload page. They are met with a select file button, which will open a file explorer window to select the image. Joe can then manually select the location that the picture was taken if his photo wasn't geotagged. There is then a dropdown for Joe to select the type of infrastructure she thinks it is, then click upload. She is then met with a "thank you!" message, and is taken back to the homepage.

### Nominal Use Example

Henry goes on a walk to find Urban green spaces. Upon seeing some he takes a picture and then opens the green spaces app. Then he selects the menu option on the homepage for uploading images. He uploads his image and fills out the appropriate location and green space type data. Upon finishing this he minimizes the app and continues on his walk in search of more green spaces to repeat the process with.

### Nominal Use Example

Jack logs into his moderator account and he wants to look at all the recently uploaded images by the users and approve or deny the images. After logging in he sees the tab where it shows him all the recently uploaded images. He clicks on the tab. The images have data such as the username of the person who uploaded it and also the size and date of the image and also the location that the user provided. The first image that Jack sees is a picture of a dog watching TV. Jack decides to remove that picture since it is not a picture of an urban green space. The second image that Jack sees is a picture of a green roof in New York. Since the picture is an urban green space, the picture gets approved by Jack. Jack sees that there are no more pictures to approve, so he logs out.

### Example with User error

Ali is a researcher and he just learned of our app so that he can upload files from his research to the app. Ali creates a new account and describes himself as a researcher. He sees the educational tabs and also a place where he can upload files to contribute to the map. Ali is fascinated by the map and looks at the pictures that people have uploaded. He decides that he should also add his research to the map. When going to the upload tab he sees that he has to choose one file from his computer to upload. He chooses his video of wetlands in Michigan and decides to upload. The file type is a .mov. When he uploads the file Ali sees an error that says in red “only image files of size 500MB or less are allowed to be uploaded”. After reading the error Ali decided to upload pictures only. After uploading all of the pictures of his research he logs out.