

Table 1. List of ranked requirements and corresponding acceptance criteria

No.	User Story	Acceptance Criteria	Ranking
1	As a general user/borough official , I want to be able to make an account	<ul style="list-style-type: none"> App can store a log-in email and password App can store info about user's location and organisation, and recently searched boroughs. 	Should Have
2	As a user , I want to be able <u>to see</u> a borough's canopy cover area and percentage	<ul style="list-style-type: none"> App can calculate canopy cover percentage using dataset for canopy cover area and total area for a borough App can display canopy cover area in square meters or hectares, and show the percentage of area that is canopy cover for the given borough in a pie chart 	Must Have
3	As a user , I want <u>to compare</u> a borough's canopy cover to other boroughs	<ul style="list-style-type: none"> App can compare canopy cover area and/or percentages adjacent or neighbouring boroughs in a bar chart with ranked values App can compare canopy cover area and/or percentage to all boroughs in Greater London in a bar chart Selected borough will be highlighted in the data display or bar chart(s) 	Must Have
4	As a user , I want <u>to get</u> general recommendations for managing canopy cover for a borough	<ul style="list-style-type: none"> App can provide information for trees that do well in urban environments and in climates like London's. App can use borough-level information such as proximity or adjacency to water bodies to recommend trees that do well in water-logged or coastal environments for example App can further list recommended trees by their primary purposes such as shade, ornamentality, edible parts, etc. 	Should Have
5	As a user , I want <u>to see</u> a borough's open space area and percentage	<ul style="list-style-type: none"> App can calculate total open space area percentage for a borough using dataset for open space areas and total borough area 	Must Have

Table 1. List of ranked requirements and corresponding acceptance criteria

		<ul style="list-style-type: none"> The app can display the open space area by percentage in a simple bar chart or pie chart 	
6	As a user , I want <u>to see</u> the types and respective percentages of open space areas within a borough	<ul style="list-style-type: none"> The app can calculate the percentage for each type of open space area present within a borough using the open space area data set App can distinguish open space area types for each borough and assign area values accordingly for each borough App can display the percentage of each type in a bar chart or pie chart with the type of open space area and respective percentage labelled 	Must Have
7	As a user, I want <u>to compare</u> a borough's open space area information to other boroughs	<ul style="list-style-type: none"> App can compare total open space area percentage to adjacent boroughs or all boroughs in Greater London in a bar chart with boroughs and respective percentages labelled App can pinpoint below-average percentage values for open space area categories compared to neighbouring boroughs or all boroughs App can compare open space area percentage for a specified open space area type to adjacent or all London boroughs 	Must Have
8	As a user, I want <u>to be able to ask</u> for general recommendations for managing open space areas for a borough	<ul style="list-style-type: none"> App can use either contextual information about the borough (proximity to rivers, water bodies, etc.) to recommend specific types of open space areas App can recommend open space area types to add/improve if they are absent in adjacent boroughs to maximise users 	Should Have
9	As a user , I want <u>to see</u> correlations between canopy cover and open space area percentages in boroughs	<ul style="list-style-type: none"> App can display the correlation between canopy cover and open space area percentages in a cartesian plot or a bar chart 	Could Have

Table 1. List of ranked requirements and corresponding acceptance criteria

		<ul style="list-style-type: none"> App can quantify the relationship between canopy cover and open space area percentages using Pearson's coefficient 	
10	As a user, I want <u>to track</u> a borough's progress or improvement	<ul style="list-style-type: none"> App can go back 5, 10, 15 years and collate data and produce trendlines App can identify missing information and determine the value of either requiring it or dismissing it for calculations App can provide an overall summary of progress using 	Won't Have
11	As a user , I want <u>to be able to get</u> more detailed recommendations for a borough	<ul style="list-style-type: none"> App can provide a list of consulting firms that deal with urban renewal, landscaping, urban planning, gardening, and other relating fields 	Could Have
12	As a user , I want <u>to see</u> the authenticity of the information that is provided and where else it is used	<ul style="list-style-type: none"> App can reference data sources used for each page App can have a page of all references and data sets used App can list high-profile clients to-date on a continuous basis 	Should Have