Opportunity Assessment – Line Planner

Importance vs Feasibility

Seventeen opportunities were identified and presented in the graph and table below. Of these Seven were identified as of critical importance to the initial product, and a further two were identified as of high importance. The remaining eight were not identified as crucial either due to their importance or the feasibility of implementing the feature within the constraints of the project. The nine critical or high importance opportunities account for over 80% of the opportunity score.

Opportunity	Importance	Viability/Feasibility
Use Google Maps API or similar as the foundation for a line planning tool, to increase the chances of user familiarity and ease of use.	5	5
Ensure the platform can accept an external ASCII text file in a platform specified format from the user.	4	5
Ensure the platform can save a local ASCII text file output in a platform specified format to the users device.	5	5
Generate a PDF summary report of the line plan for the user.	3	3
Allow the platform to accept external files in a variety of standard formats including DXF, DWG, SHP.	3	1
Calculate total number of lines in a plan	5	5
Calculate total distance of lines in a plan	5	5
Provide a means of inputting a survey speed, estimated time between lines and calculate an estimated survey duration in days, hours and minutes.	5	4
Allow the site to have multiple lineplans and boundary loaded	1	1
Save users workspace to be loaded at a future point	5	1
Allow the platform to accept and output data in WGS84 D.DDDD and UTM Zone Eastings and Northings	5	5
Allow the platform to accept and output a variety of coordinate systems as defined by the user e.g. OSGB36, ED50 TM0 etc.	4	1
Enable the platform to create lines offset from other lines	5	5
Enable the platform to crop lines to within a loaded boundary.	5	5
Enable the platform to auto extend lines to a boundary if they are contained within it but do not intersect it.	3	1
Enable the platform to extend lines at either end based on a user input distance	4	1
Assign unique names/labels/ids to all line elements	3	3

Web-Browser Survey Line Planner Tool, Strategy Component Importance/Feasibility Analysis