Team name: **Team Infinite**

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| **Role** | **Person** |
| BA | Vicki |
| Solution Designer | Eric, Matt |
| Developer | Nathan, Jordan |
| Tester | Vicki, Eric |

Requirements:

**Must**

***V1***

M1: The process must find the closest exchange to a customer home address and display the id and location of said exchange.

M2: The distance must be calculated for each exchange and to find the closest using a grid pattern

M3: Each exchange must be defined by a unique identifier of the form ex:p:q where p and q are numbers between 0 and 9

M4: Must accept user input to specify grid dimensions (x & y independently) equal or greater than 0 and equal or less than 100,000.

M5: Customer must be at (0,0)

M6: The user must be able to input the id and the location of the exchange

***V2***

M7: The process must display a grid at the end containing the customer and the exchanges

M8: Each cell containing an exchange must always display its id and the distance from the customer

**V3**

M9: User must be able to input up to 99 unique exchanges

***V4***

M10: User must be able to input the current capacity of a given exchange

**Could**

***V1***

C1: The process could print the location of the exchange

C2: The process could determine when exchanges are equidistant

-Removed in V2-

C3: The process will display a map showing the customer and the location of the closest exchange

-Removed in V2-

***V4***

C4: The process could use the capacity to determine which exchange of a series of equidistant exchanges should be displayed