Team name: **Team Infinite**

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

Want to be able to locate the closest exchange to a given customer

-Used by csr, doesn’t need to “pretty”, 2d grid, points for customer and closest exchange

-exchanges input, closest exchange output set to (0,0), top left of the grid, 0-20 on each axis

(randomly place exchanges)

-Find closest exchange, following horizontal and vertical patterns

-Exchanges use x,y, are unique follow ex:[p]:[q] where p and q are numbers between 0-9

**M**

The process should identify which exchanges are within a relevant range

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

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

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

**S**

The process should be able to find exchanges within 20 units away

Customer is in the top-left corner of the map

**C**

The process could print the location of the exchange

The process could determine when exchanges are equidistant

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