**Name:** Michael Mullarkey (16204743)

**Part A**

\*\*Number indicates each step\*\*

**2)**

Array Based

1. | e |
2. | e | | s |
3. | e | | s | | c |
4. | e | | s |
5. | e | | s | | u |
6. | e | | s | | u | a |
7. | e | | s | | u |
8. | e | | s | | u | o |
9. | e | | s | | u | o | | t |
10. | e | | s | | u | o |
11. | e | | s | | u | o | | h |

**Word Held:** esouh

**Words Popped:** cat

Link Based

1. | e |
2. | s || e |
3. | c || s || e |
4. | s || e |
5. | u || s || e |
6. | a || u || s || e |
7. | u || s || e |
8. | o || u || s || e |
9. | t || o || u || s || e |
10. | o || u || s || e |
11. | h || o || u || s || e |

**Word Held:** house

**Words Popped:** cat

**3)**

Array Based

1. | Ireland |
2. | England |
3. | Wales |
4. | Scotland |
5. | France |
6. | France || Germany |

Link Based

1. | Ireland |
2. | England |
3. | Wales |
4. | Scotland |
5. | France |
6. | Germany || France |

**Countries Held:** France, Germany

**Countries Popped:** Ireland, England, Wales, Scotland