|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Requirement | Must | Should | Can | Won’t/Would |
| 1. Hardware |  |  |  |  |
| 1.1 Laptop |  |  | ☻ |  |
| 1.2 Webcam/Phone Camera | ☻ |  |  |  |
| 1.3 Speaker | ☻ |  |  |  |
| 1.4 Scanning Kiosk |  |  |  | ☻ |
| 1.5 QRCode Scanner |  |  |  | ☻ |
|  |  |  |  |  |
| 1. Software |  |  |  |  |
| 2.1 QRCode Reader | ☻ |  |  |  |
| 2.2 Audio Record Software (audacity) | ☻ |  |  |  |
| 2.3 Speaking Software | ☻ |  |  |  |
| 2.4 Time Checking | ☻ |  |  |  |
| 2.5 Texting to user’s phone |  |  |  | ☻ |
| 2.6 UML Design Software (+20 connections) | ☻ |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1. User Interface |  |  |  |  |
| 3.1 Scanning Kiosk |  |  |  | ☻ |
| 3.2 Good size of QRCode |  | ☻ |  |  |
| 3.3 Directions texted to user’s phone |  |  |  | ☻ |
| 3.4 Help at reception | ☻ |  |  |  |
| 3.5 Easy instructions for use |  | ☻ |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1. Performance |  |  |  |  |
| 4.1 Good directions |  | ☻ |  |  |
| 4.2 English/Irish |  |  |  | ☻ |
| 4.3 Time advice given |  | ☻ |  |  |
| 4.4 Directions to 2 college rooms | ☻ |  |  |  |
| 4.5 Cancellation announcement | ☻ |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1. Safety |  |  |  |  |
| 5.1 Obstacle alert i.e. cleaning or breakdowns |  |  | ☻ |  |
| 5.2 Time remaining to class/meeting |  |  |  | ☻ |
| 5.3 Emergency Broadcast |  |  | ☻ |  |
| 5.4 Maintains electronic device safety standards |  | ☻ |  |  |
|  |  |  |  |  |
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| 1. Ethical |  |  |  |  |
| 6.1 Wheelchair access advice given |  | ☻ |  |  |
| 6.2 Polite and friendly response |  | ☻ |  |  |
| 6.3 Works well in its environment |  | ☻ |  |  |
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Software Engineering-Final Project

Requirements for QRCoded Automated Speaking Service Sprint