High Level Requirments for CMPSC 488 Group 6 – Laryngectomy Identification and Flowchart

Forward: Because our requirements differ from client to faculty advisor, this will be divided into two halves. The first half will be requirements for the deliverables to the client, the second half will be requirements for the deliverables to the class.

Requirements for Client:

1. There must be a flowchart that indicates that the patient has a laryngectomy stoma and how to properly apply air flow to the stoma.

2. The flowchart must be easy and fast to read.

3. The flowchart must be able to support images.

4. The flowchart should, but is not required to, support other media such as video and audio.

5. Once the flowchart is completed, it must be embedded within a webpage that can be accessed via a QR code.

Requirements for Class:

1. The application must be able to make a flowchart given input from a user.

2. The user must be able to branch a node into multiple different nodes.

3. The user must be able to lable a branch of a node.

4. The user must be able to embed images into nodes.

5. The user must be able to mark when the flowchart is complete.

6. The user must be able to export a finished flowchart as a downloadable image.

7. The user should be able to import an extant flowchart and modify it.