

# Physical 3D model of the larynx with moving parts

**Client:** Sherri K. Zelazny

**Team Members:** Kevin Hanson (BSAC)  
Nick Ladwig (Communicator)  
Jonathan Meyer (Leader)  
Ken Roggow (BWIG)

**January 25 to January 31, 2008**

## Problem Statement

The goal of this project is to develop a physical 3D laryngeal model, with moving laryngeal cartilage, bones, membranes and muscle, to demonstrate nerve/muscle action and interaction in the larynx for voice, airway and swallowing. The model is to be used as a clinical tool for patient education for improved understanding of the laryngeal mechanism; and to plan treatment based on diagnosis of voice, airway and/or swallowing disorder.

## Last Week's Goals

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## Summary of Accomplishments

- Assigned team roles
- Developed preliminary schedule
- Met with client and discussed the project specifications.

## This Week's Goals

- Continue to research the larynx and how it can be modeled
- Develop PDS
- Begin brainstorming
- Start project website

## Project Difficulties

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## Activities

### Kevin Hanson

1.25. 2007	Team Meeting	1.00 hr
1.30. 2007	Met with client	1.50 hr
~~~~~	Researched Larynx	2.00 hr

### Nick Ladwig

1.25. 2007	Team Meeting	1.00 hr
1.30. 2007	Met with client	1.50 hr
~~~~~	Researched Larynx	2.00 hr

### Jonathan Meyer

1.25. 2007	Team Meeting	1.00 hr
1.30.2007	Met with client	1.50 hr
1.30.2007	Wrote Weekly Report	2.00 hr
1.30.2007	Developed schedule	2.00 hr
~~~~~	Researched Larynx	2.00 hr

### Ken Roggow

1.30. 2007	Met with client	1.50 hr
~~~~~	Researched Larynx	2.00 hr

## Project Schedule

Tasks	Jan.	February					March				April					May	
	25	1	8	15	22	29	7	14	21	28	4	11	18	25	30	2	7
<b>Research and Development</b>																	
Research																	
Brainstorm																	
Develop Prelim. Design																	
Detail/evaluate design																	
Build Prototype																	
Test Prototype																	
<b>Website</b>		Ken															
<b>Deliverables</b>																	
Mid Semester Presentation																	
Mid Semester Report																	
Final Presentation																	
Final Report																	
Progress Reports	Jon	Nick															

## Expenses

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