

SELF-GUIDED LEARNING SYSTEM FOR ANATOMY

CS3249 Progress Report 1

Sarah Tan
A0088828J

Soedarsono
A0078541B

Jayaraman Goutham
A0083151N

Introduction

In this report, we present an overview of the GUI mockup for the Self-Guided Learning System for Anatomy. For the **interactive version of the GUI mockup**, please refer to the document [Interactive GUI Mockup](#).



Upon logging in, the system has the following functionalities for each of the 2 main user groups:

Teacher

1. Create a new lesson
2. Input the image of the lesson
3. Create annotations on various parts in the image
4. Create a hyperlink from the body part in the image to a page of the notes
5. Create a hyperlink from some words in a page to a body part in the image
6. Input a set of explanatory notes and the paging of the notes
7. Create a self-test of the lesson
8. Modify/delete any lessons
9. Check a student's self-test scores to evaluate his progress
10. Request a summary of a student's performance or all the students' performance

Student

1. Go to a lesson to study explanatory notes
2. Go to the next or previous page within a lesson
3. Click on an annotated body part and the linked pages in the explanatory notes are shown
4. Click on a word in a page with a hyperlink and the linked body part in the image is highlighted
5. Take the self-test
6. Go to the next lesson if he passes the self-test of the previous lesson

The next sections show how the system will look like to each of the user group.

















Teacher

Upon logging in, the teacher sees the list of lessons he has created under the lessons tab. He has the option to modify or delete them, or create a new lesson.

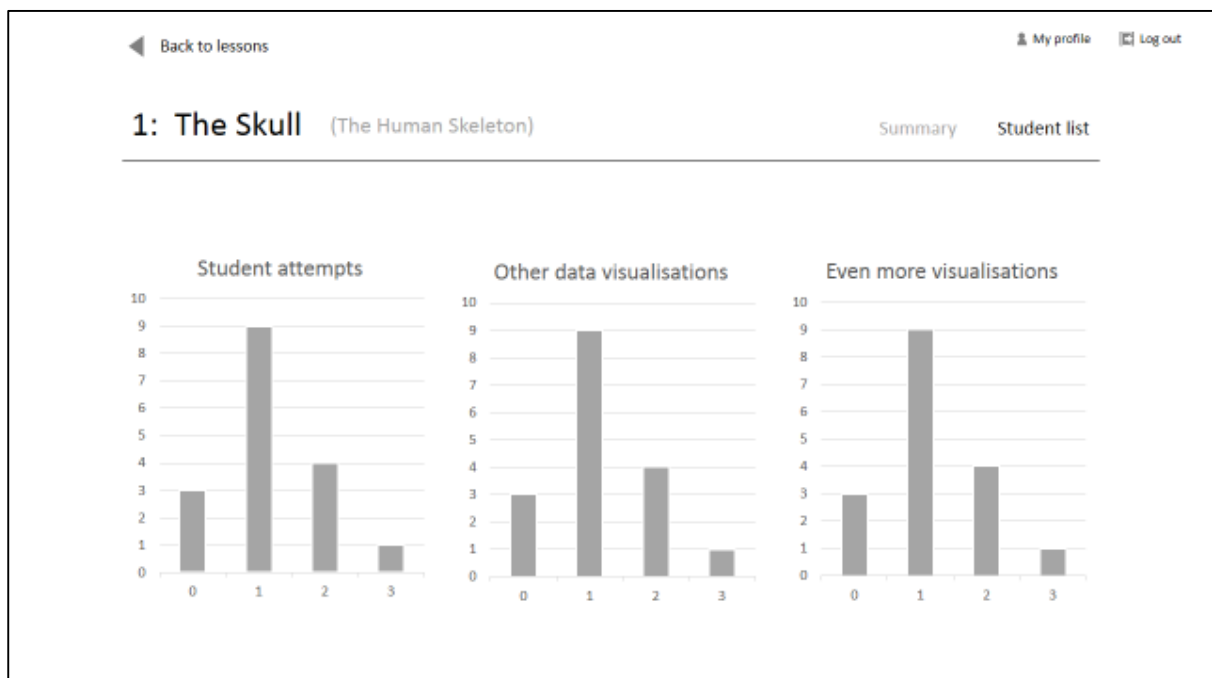
My profileLog out

LessonsStudents

Add new

Topic ▲	Lessons	Date modified	Action
The Human Skeleton	1: The Skull	1/1/14	 
	2: The Hand	2/1/14	 
	3: The Foot	3/1/14	 
	4: The Arm	4/1/14	 
	5: The Leg	5/1/14	 
The Nervous System	1: The xxx and xxx and xxx	6/1/14	 
	2: The yyy plus yyy	7/1/14	 
	3: The zzz	8/1/14	 

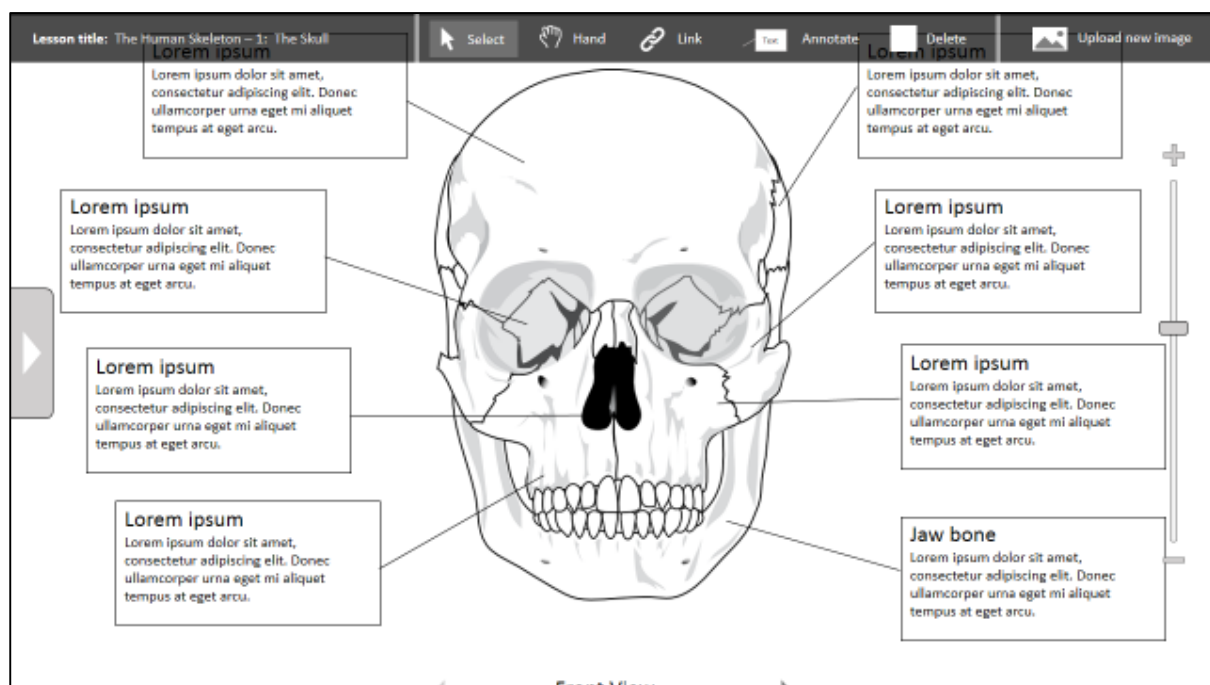
Clicking on a lesson brings the teacher to a summary page which allows the teacher to get an overview of the lesson. It includes data visualisations of the number of student attempts on that lesson as well as other information.



For more specific details on the students, the teacher can switch to the student list view instead. Clicking on the name of an individual student brings the teacher to a page with the statistics of the student. The option to generate a summary for that particular student is also available here.

◀ Back to students		My profile Log out		
Alpha One		Generate Summary		
Lessons ▲	Topic	No. of attempts	Last attempted on	Score
The Hand	The Human Skeleton	1	1/1/14	5/5
The Foot	The Human Skeleton	1	2/1/14	6/7
The Arm	The Human Skeleton	1	3/1/14	3/3
The Leg	The Human Skeleton	2	4/1/14	5/6
Lorem	The Nervous System	1	5/1/14	3/3
Ipsum	The Nervous System	1	6/1/14	2/3
Dolor	The Nervous System	1	7/1/14	1/3
Sit Amet	The Nervous System	1	8/1/14	8/10

Back at the main lessons page, when the teacher selects the modify lesson option, he is brought to the default image page. There is an additional toolbar on top which allows the teacher to do things like create a hyperlink to the notes, create an annotation, or even delete the current image.



The same toolbar is also present in the edit notes view and the edit test view.

Lesson title: The Human Skeleton – 1: The Skull
Select
Hand
Link
Annotate
Delete
Upload new notes

Chapter 3: The Skull and its Components
46

Fusce in auctor ipsum. In egestas pharetra sapien non pharetra. Curabitur consequat odio ut orci euismod luctus. Maecenas pharetra vulputate lorem, vitae euismod nunc tempus ac. Suspendisse cursus ornare mattis. Nunc eu augue vitae nunc mattis tincidunt. Sed mattis augue volutpat orci malesuada, et fermentum nibh pulvinar. Mauris faucibus auctor anim ut consectetur. Suspendisse potenti.

THE JAWBONE

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec ullamcorper urna eget mi aliquet tempus at eget arcu. Sed vestibulum tincidunt eros, vitae mollis metus. Duis eget volutpat eros. Phasellus interdum aliquam viverra. Phasellus tempus tincidunt sodales. Nam mi lacus, tincidunt eu leo at, pellentesque lacinia orci. In sapien turpis, ornare eget sagittis eu, pretium vel lectus.

Curabitur at erat tempus, euismod massa nec, tempor dui. Nam est sem, varius tempor convallis tristique, venenatis eget nibh. Donec lorem ligula, condimentum non elementum consequat, faucibus in massa. Praesent mauris leo, cursus hendrerit scelerisque at, semper id diam. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean ornare tortor felis, sed feugiat libero vulputate ut. Donec fringilla posuere feugiat. Fusce a volutpat nisl. Morbi volutpat, magna ut mollis convallis, felis eros imperdiet nisl, tincidunt porttitor lorem nisi sit amet neque. Nullam sollicitudin suscipit feugiat. Lorem ipsum

Duis vitae volutpat purus. Vestibulum adipiscing feugiat iaculis. Mauris at pharetra turpis. Quisque gravida porta tellus non lacinia. Proin quis justo vulputate, vehicula lectus vel, sollicitudin felis. Suspendisse ornare at orci ac convallis. Nunc euismod erat vel turpis rutrum, at dapibus arcu condimentum. Sed posuere vitae ante eu condimentum. Nullam a iaculis dolor. Duis at massa non purus eleifend hendrerit. Donec blandit, quam ut sodales faucibus, lorem magna cursus dolor, vel fringilla ipsum mauris vitae nulla. Ut lacinia purus sed malesuada vulputate.

Sed egestas arcu quis risus cursus tristique. Mauris sagittis nec turpis semper dapibus. Aliquam erat volutpat. Donec nulla nisl, ullamcorper eu justo feugiat, faucibus fringilla dolor. Cras id tempor justo. Vivamus ut pretium eros, non lacinia metus. Cras urna lectus, facilisis et orci ut, rhoncus scelerisque massa. Praesent varius id augue at vestibulum. Donec sapien orci, elementum in sodales vel, vestibulum vitae augue. Duis id rhoncus mi. Vivamus rutrum metus est, vitae iaculis dolor sodales eget. Sed sit amet metus libero:

"Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit..."
- Lorem ipsum, dolor sit amet

Praesent varius id augue at vestibulum. Donec sapien vehicula sit amet velit id luctus. Vestibulum molestie ac nisi vitae cursus. Curabitur suscipit sagittis dolor, eget or

Lesson title: The Human Skeleton – 1: The Skull
Select
New question
Delete all questions
Allocated time: 05:00
Passing mark: 2/3

Allocated time: 05:00

Self Assessment

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec ullamcorper urna eget mi aliquet tempus at eget arcu. Sed vestibulum tincidunt eros, vitae mollis metus. Duis eget volutpat eros. Phasellus interdum aliquam viverra. Phasellus tempus tincidunt sodales.

1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec ullamcorper urna eget mi aliquet tempus at eget arcu?

☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
2. Lorem ipsum dolor sit amet, consectetur adipiscing elit?

☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
3. Lorem ipsum dolor sit amet, consectetur adipiscing elit?

☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet
☐ Lorem ipsum dolor sit amet


Should the teacher want to create a new lesson instead, he can easily do so. The notes and images are uploaded together, and from there, he can choose if he wants to edit the notes or the images first, or create the self-test.

Title:

Topic:

Select one

Upload images




Drag photos here

or

Click to open file browser

Upload notes



Drag notes here

or

Click to open file browser

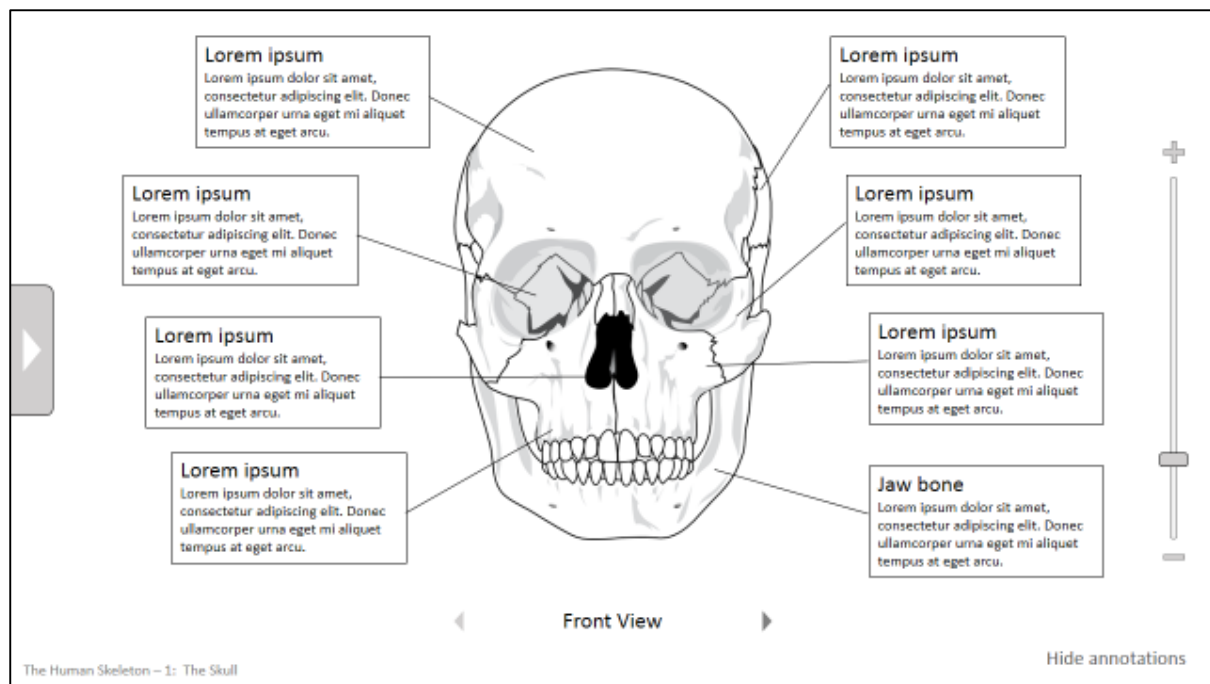
Student

Upon logging in, the student sees the list of available lessons.

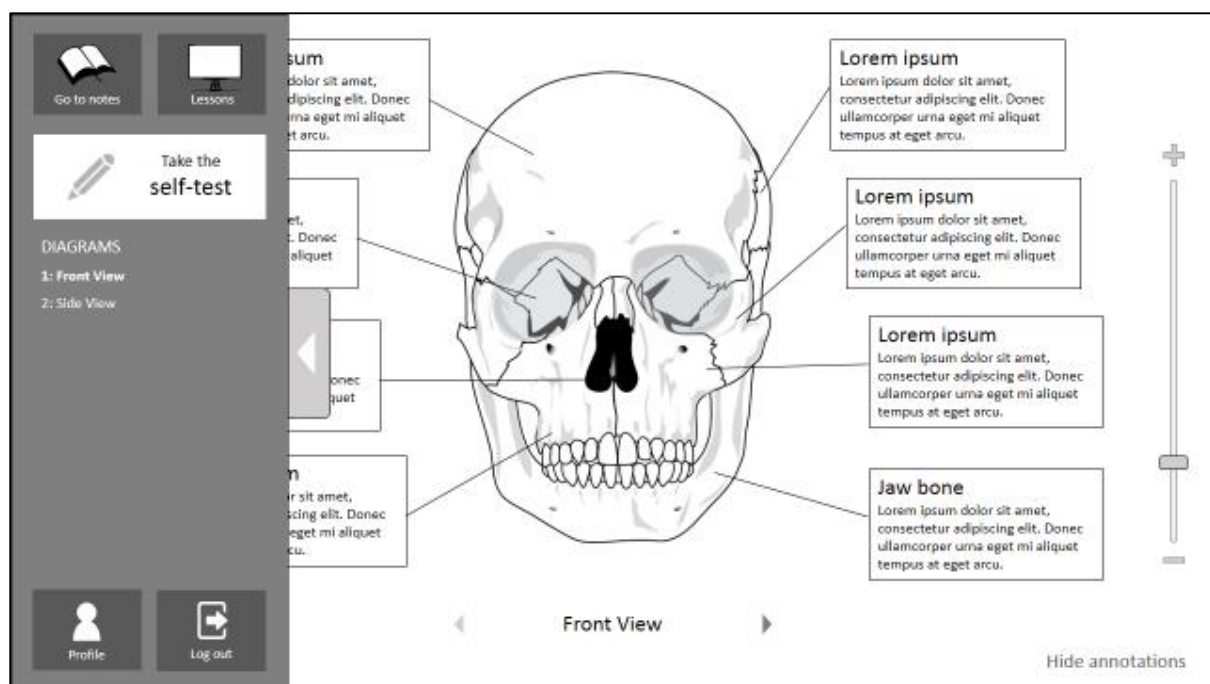
My profile Log out

Available lessons		
Topic ▲	Lessons	Marks
The Human Skeleton	1: The Skull	Unattempted
	2: The Hand	Unattempted
	3: The Foot	Unattempted
	4: The Arm	Unattempted
	5: The Leg	Unattempted
The Nervous System	1: The xxx and xxx and xxx	9/10
	2: The yyy plus yyy	6/13
	3: The zzz	Unattempted

Clicking on a lesson brings the student to the default image page of the lesson.



Opening the side menu shows buttons to go to the notes, take the self-test, or go back to the lessons. A list of images available for that lesson is also shown for quick navigation.



Clicking on the notes button or the respective annotation on the image brings the student to the notes. The notes also contain hyperlinks back to the images.



Upon going to the self-test, the student is informed of the time limit for the multiple choice test, as well as any other relevant information. The student is brought to the actual test when he clicks the Begin Test button.

Time left: 00:30

Self Assessment

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec ullamcorper urna eget mi aliquet tempus at eget arcu. Sed vestibulum tincidunt eros, vitae mollis metus. Duis eget volutpat eros. Phasellus interdum aliquam viverra. Phasellus tempus tincidunt sodales.

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec ullamcorper urna eget mi aliquet tempus at eget arcu?

☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
- Lorem ipsum dolor sit amet, consectetur adipiscing elit?

☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
- Lorem ipsum dolor sit amet, consectetur adipiscing elit?

☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet
 ☐ Lorem ipsum dolor sit amet

The Human Skeleton – 1: The Skull

Submit

After submitting the test, the results are shown, along with the explanation for questions which were answered wrongly. At the end of the test, the student has the option to continue to the next lesson.

Explanation

1. Sed egestas arcu quis risus cursus tristique. **Mauris sagittis** nec turpis semper dapibus. Aliquam erat volutpat.

Praesent varius id augue at vestibulum. Donec sapien orci, elemtum in sodales vel, vestibulum vitae augue. Duis id rhoncus mi. Vivamus rutrum metus est, vitae iaculis dolor sodales eget. Sed sit amet metus libero.

Results

Score: 2/3

1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec ullamcorper urna eget mi aliquet tempus at eget arcu?

☐ Lorem ipsum dolor sit amet

☒ Lorem ipsum dolor sit amet

☐ Lorem ipsum dolor sit amet

☐ Lorem ipsum dolor sit amet

2. Lorem ipsum dolor sit amet, consectetur adipiscing elit?

☐ Lorem ipsum dolor sit amet

☒ Lorem ipsum dolor sit amet

☐ Lorem ipsum dolor sit amet

☐ Lorem ipsum dolor sit amet

3. Lorem ipsum dolor sit amet, consectetur adipiscing elit?

☒ Lorem ipsum dolor sit amet

☐ Lorem ipsum dolor sit amet

☐ Lorem ipsum dolor sit amet

☐ Lorem ipsum dolor sit amet

All lessons

Review this lesson

Next lesson

The Human Skeleton – 1: The Skull

For the **interactive version of the GUI mockup**, please refer to the document [Interactive GUI Mockup](#).