



***Dr. Adriano Cavalcanti***

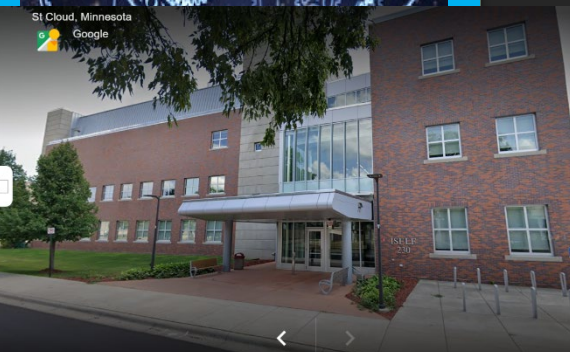
*PhD MABE, MS EE, BSc CSc*

*Computational Nanotechnology & Biomed Robotics*



***Office location: CH366K / Lab: ISELF205***  
**Email: [adriano.cavalcanti@stcloudstate.edu](mailto:adriano.cavalcanti@stcloudstate.edu)**

***Office hours:***  
***Check on Syllabus; & by appointment***







# MIDTERM EXAM



**DAY**

**MIDTERM**

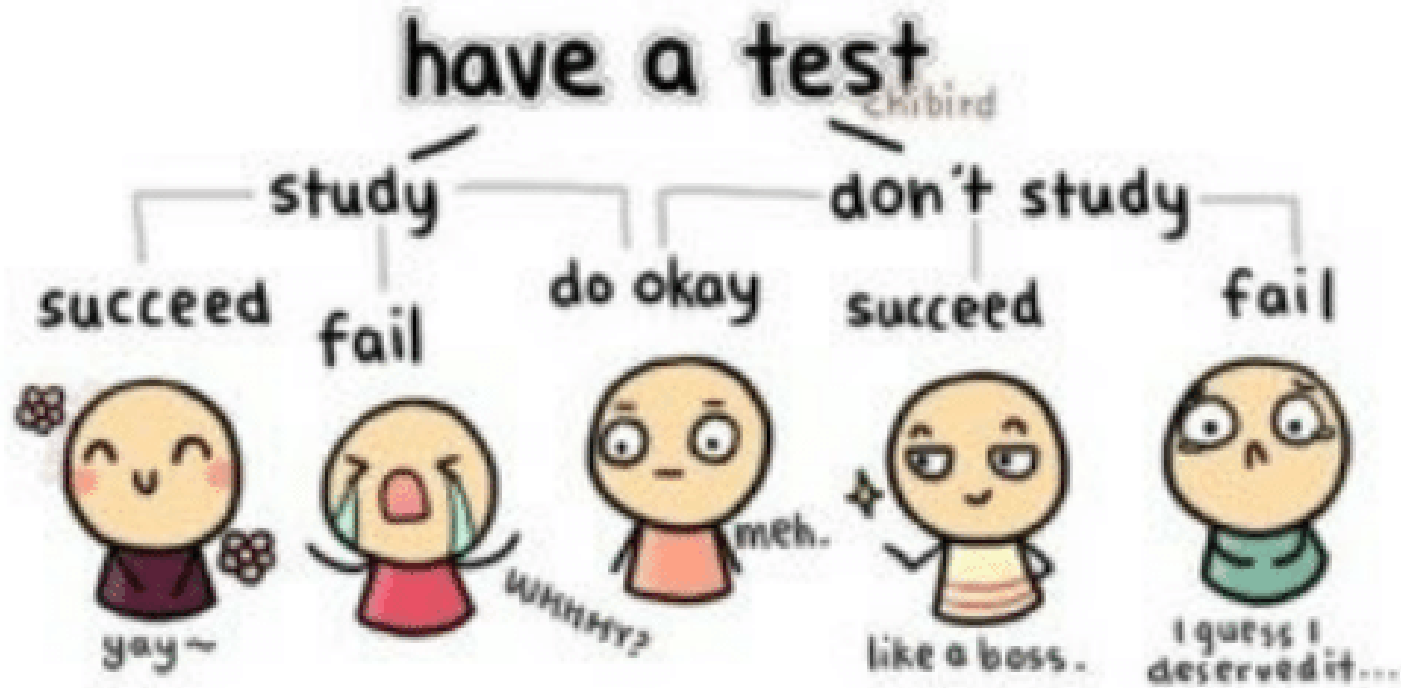
**EXAM**

SEPT 7

gettyimages  
Credit: bubaone

806841908

gettyimages®  
Credit: bubaone



1. **Documentation:** describe in word or ppt file the steps taken in your implementation; (1 point)
2. **Submission:** upload on D2L, source code/scripting/setups documentation and a not zipped short video demo 5 to 10 minutes, and ppt presentation; as a comment in the source code, include your name/author in the head of the program. (2 points)



Using your database on your **favorite things** running in your VPS **(2 points)**, create a small program that allows the user to click and choose **(from the tab Select)** what table content to show **(at least 30 rows)** in the **tab Display** **(2 points)**. Update **Display** every time on the UI front end a new **Table** is selected/clicked **(2 points)**. Have at least 3 tables to be chosen **(1 point)**.



nb.: <Ok/Cancel> button is optional,  
if the table's image is clickable & updates content in the Display tab

**Select**

**Display**

**Table1**



**Table2**



**Table3**



OK

Cancel

**Select**

**Display**

Audi

BMW

Chevrolet

Dodge

Equus

OK

Cancel

NEXT

**Select**

**Display**

**Table1**



**Table2**



**Table3**



OK

Cancel

**Select**

**Display**

**Anchovy**

**Barracuda**

**Cod**

**Dragonfish**

**Eel**

OK

Cancel

**NEXT**

**Select**

**Display**

**Table1**



**Table2**



**Table3**



OK

Cancel

**Select**

**Display**

**Austria**

**Belgium**

**Croatia**

**Denmark**

**Estonia**

OK

Cancel









# MIDTERM EXAM



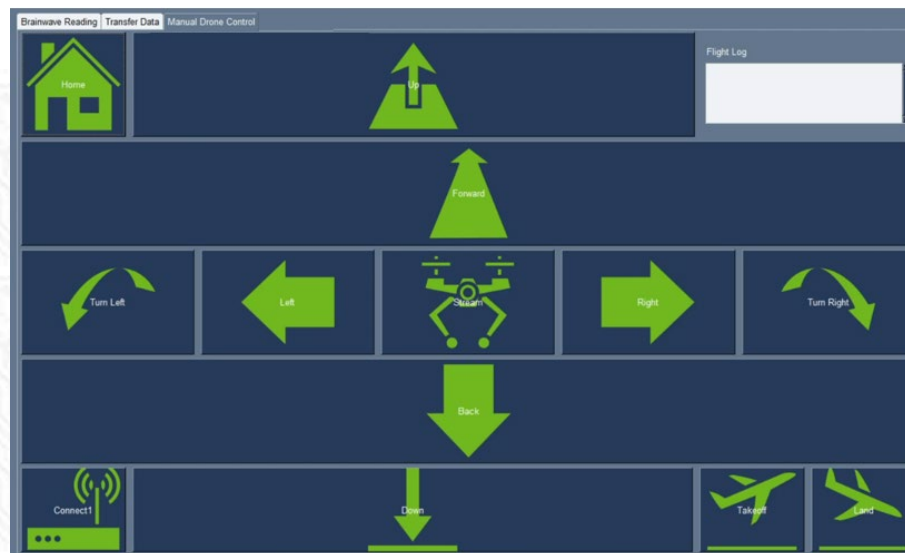
## Tab: Manual Drone Control - missing #169

Solve the missing QML integration of the Manual Drone Control - tab, which is missing when running the GUI5.py.

Fix the layout size auto adjust to correctly fit the tab within the Avatar layout framework.

<https://github.com/3C-SCSU/Avatar/issues/169>

The implementation of the Tab to control drone was completed:  
[#135](#)





# MIDTERM EXAM



## New Tab: Shuffler #161

Create a new tab to integrate the previously implemented and tested Shuffler within the Avatar main UI framework.

The Shuffler version with QML for multiplatform was just merged:

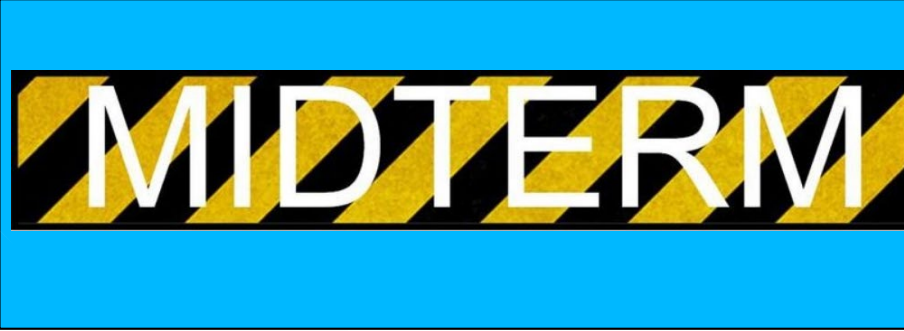
[#76](#)

[#139](#)

<https://github.com/3C-SCSU/Avatar/issues/161>







## Avatar Project

**Note:** optional extra super bounty 2points -- if your implementation works and you decide to contribute with the code to the #3C Avatar Open Source project. The code will be reviewed and voted as the best implementation by the #3C

<https://github.com/users/3C-SCSU/projects/1/views/1>



3C Cloud Computing Club  
3C-SCSU

As a club, we get our hands on projects that reflecting new technologies that are trendy and in high demand. Reaching us:

<https://discord.gg/mxbQ7HpPj>  
q



**Note:** The code is to be submitted on the GitHub Avatar Open Source project only per invitation if your code was selected. That will add the bounty extra credit point.

# How to Get Happy in 15 Minutes

1. Take 5 deep, slow breaths. With each one, imagine breathing in love and light and breathing out dust, darkness and sadness.
2. Write 10 things you're thankful for.
3. Write 10 things you're proud of yourself for.
4. Write down the incident that has you down and ask yourself: "What's another way I can look at this that would give me a feeling of peace and happiness?"
5. Call someone you love and tell them why you love them. Ask if there's anything you can do for them.



This will work  
if you do it!

Read full article:

[RecipeRx.com](http://RecipeRx.com)

[Facebook.com/recipeRx](https://www.facebook.com/recipeRx)

Your prescription for a happy life.

*Dr Cavalcanti*  
*a/k/a Dr. Color Candy or Dr. C*