

1 Assignment

This weeks assignment is made of two parts as follows.

1. of-snake
2. Project Proposal

Each part will be described in a separate section below. You will have two separate repositories this week, One for each part of the assignment.

1.1 High Scores for of-snake

To complete this section you must first get the of-snake application working using the `l1.h` and `l1.hpp` files you write last week. You should be able to get this working by copying your files into the provided `l1.h` and `l1.hpp` files and changing the `#include` to `l1.hpp` from `l1.cpp`. Other than that the documentation you need should be in `README.md` and on the openFrameworks site.

After getting the provided files working you will need extend the of-snake application to handle high scores. Specifically you will need to modify the application to do the following.

- Track the top ten scores since the game started
- Display the top ten scores when the game ends as well as the score for the current game
- When the the h key is pressed you should pause the game and display the top 10 scores

Provided Files: Fork the starting git repository using the URL below. This will contain a copy of the of-Snake application as we provided last week. You will use this repository to extend of-snake. In this part you can modify any portion of the provided code to make the required changes.

<https://classroom.github.com/a/v43wHeva>

1.2 Project Proposal

The final assignment this week is to provide a project proposal for your final project. This should be a few paragraphs about what you would like to do for a final project and what you think you will need to accomplish the project.

The requirements for the project are as follows;

- The project will be a openFrameworks application
- Implement a windowed application
- Use a significant library that we do not cover in class

You can use any of the example applications from openFrameworks or of-snake as inspiration for your project.

The proposal should be about one page long and describe what you want your project to do and what libraries or resources you have identified to use for this project. You should provide links to outside resources you are planing on using in the project.

Provided Files: Fork the starting git repository using the URL below. We recommend that you clone this into your openFrameworks myApps directory. This repo will contain an empty PROPOSAL.md file and nothing else.

<https://classroom.github.com/a/Sspifg7d>

You will write your project proposal in the PROPOSAL.md file the format for this file is described in the following.

<https://guides.github.com/features/mastering-markdown/>

2 Extra Credit

You can receive extra credit for refactoring the snake application to use the templated linked list where the application currently uses the implicit linked list.

Finally you can receive extra credit for extending the of-snake application in any interesting way. The more significant and interesting the extension the more points you can receive. Things to consider here would be adding sound or more interesting graphics to the snake game.