

# 1 Assignment

This weeks assignment is made of two parts as follows.

1. Project Proposal
2. of-snake

Each part will be described in a separate section below.

## 1.1 Project Proposal and Start

The core assignment this week is to start 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 written in C++
- 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 below 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/Ntd2yHai>

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/>

**Outside Library:** The second thing you should accomplish on the project this week is experiment with the library you are planning on using with your project. This means you should get something running with the library you want to use. This work does not have to be stored in the repo since it is exploratory work. What should be put in the repo is your experience working with the library in the `DEVELOPMENT.md` file. This is file will be a log of your expenses developing the final project and will be a significant portion of your grade on the project.

## 1.2 of-snake

To complete this section you must first get the of-snake application working using the `11.h` and `11.hpp` files you wrote last week. You should be able to get this working by copying your files into the provided `11.h` and `11.hpp` files. Other than that the documentation you need should be in `README.md` and on the `openFrameworks` site.

**Provided Files:** Fork the starting git repository using the URL below. This will contain a copy of the of-Snake application.

<https://classroom.github.com/a/h35jMLub>

## 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.