

**Added Visual Studio project**

R.W. ("Moose" 🦌) Singh authored 11 months ago

**Code owners** Assign users and groups as approvers for specific file changes. [Learn more.](#)

Name	Last commit	Last update
⋮		
📁 <a href="#">U03EX_FunctionClassReview</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U06EX_DebuggingTools</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U07EX_FileIO</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U08EX_Git</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U09EX_Exceptions</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U10EX_Templates</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U11EX_Testing</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U12EX_Pointers</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U13EX_STLStructures</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U14EX_OverloadingFunctions</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U15EX_DefaultParams</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U16EX_Friends</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U17EX_StaticMembers</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U18EX_Polymorphism</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U19EX_OverloadingOperators</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U20EX_LambdaExpressions</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U21EX_Recursion</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
📁 <a href="#">U22EX_SearchSort</a>	<a href="#">Added Visual Studio project</a>	11 months ago
📁 <a href="#">U23EX_LinkLibraries</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
<a href="#">README.MD</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
<a href="#">U03EX_ProjectUpdates.pdf</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
<a href="#">U07EX_ProjectUpdates.pdf</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago
<a href="#">U19EX - Final project check-in.pdf</a>	<a href="#">Spring 2023 CS 235 backup</a>	1 year ago

[README.MD](#)

## Spring/Fall 2023 tentative schedule

---

- Unit 1: Introduction, using your IDE, computer skills, review: functions, classes, and inheritance
  - Overview of basic computer skills like navigating the filesystem, taking screenshots, possibly extra software that might be useful (GIMP).
  - Reviewing some core CS 200 stuff that students tend to forget like scoping, function params/args, class basics.

- Info on navigating the IDE, including "go to definition", "find all references", "refactor/rename", "auto-format", "comment block" and more.
- Unit 2: Debugging tools, command line usage, problem solving, review: File I/O
  - Make sure students know how to work with breakpoints, watch window, call stack
  - Have students navigate the command line, learn about how programs take in arguments, etc.
  - Have students review how to use ifstream and ofstream.
- Unit 3: Exception handling, templates, using git
  - Using try/catch and throw, writing custom exceptions.
  - Using and creating templated functions and classes.
  - Basics of using git - add, commit, push, pull, status, branch, creating merge requests.
- Unit 4: Overloaded functions and constructors, default parameters, unit tests
  - Students begin working on the project adding a small bit at a time while working on exercises.
  - Students learn about writing test cases and implementing unit tests. Existing codebase should also have unit tests implemented that can be used as reference.
- Unit 5: Static members, friends
- Unit 6: STL Vector, review pointers
  - Also include smart pointers
- Unit 7: Polymorphism
- Unit 8: STL Stack and STL Queue data structures
- Unit 9: Overloaded operators
- Unit 10: STL Map data structure, lambda expressions
- Unit 11: Recursion, searching and sorting
- Unit 12 (optional): Linking third party libraries