

Computer Science Capstone Topic Approval Form

The purpose of this document is to help you clearly explain your capstone topic, project scope, and timeline. Identify each area to have a complete and realistic overview of your project. Your course instructor cannot sign off on your project topic without this information.

Note: You must fill out and submit this form. Space beneath each number will expand as needed.

Any cost associated with developing the application will be the student's responsibility.

The purpose of Task 1 is to ensure students begin working on a project that can pass. Therefore, we only need to see a *rough outline* of a project that can meet the minimum rubric requirements. Changes from task 1 to task 2 are allowed and expected. Other than checking the approved topic, evaluators will not compare task 1 to task 2. **REMOVE ALL TEXT IN RED** before emailing this form to your assigned course instructor for approval.

INFORM INSTRUCTOR:

Potential use of proprietary company information: (Y/N)

ANALYSIS:

1. Project topic AND description:
Briefly describe your topic.
2. Project purpose/goals:
Briefly describe what your application will accomplish.
3. Descriptive methods:
These methods describe and help understand the data, e.g., mean, median, bar plot, scatterplot, k-means clustering, etc. Three visualizations are required. The three required visualizations are typically descriptive and can count as your descriptive methods.
4. Non-descriptive method:
These are methods that infer from the data, i.e., make predictions or prescriptions. Examples include classification models, regression, image recognition, etc. The project requires at least one application of machine learning (mathematical algorithms applied toward data) which usually occurs in developing the non-descriptive method.

DESIGN and DEVELOPMENT:

1. Computer science application type (select one):
 - Mobile (indicate Apple or Android)
 - Web
 - Stand-Alone

You will not be held to his choice should you decide differently for task 2.
2. Programming/development language(s) you will use:
3. Operating System(s)/Platform(s) you will use:
4. Database Management System you will use (if applicable):
5. Estimated number of hours for the following:
 - i. Planning and Design:
 - ii. Development:
 - iii. Documentation:

iv. Total:

6. Projected completion date:
Some date in the future.

IMPLEMENTATION and EVALUATION:

1. Describe how you will approach the execution of your project:

✓ **This project does not involve human subjects research and is exempt from WGU IRB review.**

Do NOT strike or remove this statement unless your project needs an IRB review. This statement should almost always be checked. An IRB review is only necessary if you plan to collect data from human subjects yourself. Data from any openly available archive is not subject to an IRB review.

STUDENT SIGNATURE

By signing and submitting this form, you acknowledge any cost associated with the development and execution of the application will be your (the student) responsibility.

COURSE INSTRUCTOR'S SIGNATURE:

COURSE INSTRUCTOR APPROVAL DATE:

Do NOT submit your approval form to assessments **without a C964 faculty signature**. Submissions missing a CI signature are rejected without further review. Emailing the completed form directly to [your assigned course instructor](#) typically gets the fastest response. If your instructor is out of the office, you can send it to the team inbox, ugcapstoneit@wgu.edu, but cc your assigned CI. Once approved, you will receive a signed document in PDF format that you can upload as part of Task 1.

Task 2:

1. **Understand the requirements.** Review the [Ultimate C964 Capstone Guide](#) and [C964 CS Capstone Site](#)
2. **Create your project and write the document.** Then, follow the [Task 2 parts A, B, D template](#), [Ultimate C964 Capstone Guide](#), and see this [Task 2 Document Example](#).
3. **Inspect your work** for grammatical errors and proper [APA format](#). Use **Grammarly.com** (it's what the evaluators use); the free version will suffice.
4. **Submit Task 2 for evaluation.** Ask me any questions, but if you feel the requirements are fulfilled, submit it, and let them tell you which (if any) parts need to be rewritten. It will generally be easier to focus and fix a few areas than initially overworking the entire project.