# Item 3

# Task

**Objective:**You are tasked with designing and implementing an original **software** project.

# ****What you are responsible for:****

By the end of Week 11, you should have decided on the following points for your project:

1. The need or problem you are going to address
2. The audience (potential users and/or investors)
3. The technologies (programming languages, tools, etc.)

If you are really stuck, some projects are suggested later in this document. Any original ideas need to be pitched to your teacher in Week 11 for pre-approval.

You are expected use class time to plan and implement your project. Closer to Week 14, you should also take the time to plan your exhibition in Week 15. Your teacher will be monitoring your progress and workflow. At any time before the deadline for this item you may be asked by your teacher to report on your progress or to defend project decisions. All these observations and interactions may go toward your final score for this item.

You must submit your completed project by the end of Week 14 (Nov 3 5PM) to satisfy the deadline for this Item. Read the rubric attached to this item carefully. Read it again well before submitting your work for this item.

# Link to Item 4

You will be required to produce a script and video presenting your project. You will also be required to exhibit your project at our college showcase in Week 15. Details for these requirements are included in the **Item 4 specifications.**

# ****Suggested Projects****:

<define projects>

# ****Submission Requirements:****

<define submission requirements here>

NOTE TO ADAM: I am requiring my students to push to a GitHub repository.

## Rubric

NOTES TO ADAM:

Some of my criteria specify pushing to a GitHub repository. You should change this if needed.

I will be distributing a copy of this rubric without point totals.

Goals for this rubric were to keep it simple for students and teachers- it is the 15% item. We keep this rubric simple so that student s can focus on Item 4 once they have achieved these criteria.

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| --- | --- | --- | --- |
|  | **Submission Guidelines** |  |  |
| **CRITERIA** | **EXPECTATIONS** | **POSS** | **GIVEN** |
| **Initialized GitHub repository** | You created a GitHub repository with your teacher in Week 11. | 2 | **\_\_ / 2** |
| **Lodged project information** | You completed the Google Form with your project details in Week 11. Project goals are clearly described. | 2 | **\_\_ / 2** |
| **Organized workflow** | You regularly submitted original work to your GitHub repository. You submitted before the deadline for the project. | 2/Week 11  2/Week 12  2/Week 13  2/Week 14 | **\_\_ / 8** |
| **Project defense** | You regularly handled queries about your project and demonstrated confidence and direction in you work. | 2/Week 11  2/Week 12  2/Week 13  2/Week 14 | **\_\_ / 8** |
| **Attributions** | Any code derived from other sources was pre-approved for inclusion by faculty and credited to original authors. | 2 | **\_\_ / 2** |
| **Code Integrity** | Your code compiles on a base-configured school machine (based on the software environment provided in the Linux lab in A308 or the Windows Lab in A307). No run-time errors. | 2 | **\_\_ / 2** |
| **Project goals achieved** | Your product demonstrates full capacity to satisfy the the intended audience towards the stated problems/goals. | 4 | **\_\_ / 4** |
| **Organization** | All required deliverables submitted in correct format (e.g., code is in plain text) and are accessible for review on GitHub. | 2 | **\_\_ / 2** |
|  | DAYS LATE \_\_\_/7 = \_\_\_% | **FINAL** | **\_\_/ 30** |