Discipline	Course Number	Title
Computer Science	298	CPS 298 03/31/2023-Professional Team Programming
College	Division	Department
Business and Computer Technologies	Business and Computer Technologies	Computer Science & Information Technology
Faculty Preparer		Jai Bai
Date of Last Filed Assessment Report		

I. Review previous assessment reports submitted for this course and provide the following information.

1. Was this course previously assessed and if so, when?

   No

2. Briefly describe the results of previous assessment report(s).

   3.

4. Briefly describe the Action Plan/Intended Changes from the previous report(s), when and how changes were implemented.

   5.

II. Assessment Results per Student Learning Outcome

Outcome 1: Develop a team programming project.

- Assessment Plan

    o Assessment Tool: Group project

    o Assessment Date: Winter 2020

    o Course section(s)/other population: All sections

    o Number students to be assessed: All students

    o How the assessment will be scored: departmentally-developed rubric

- o Standard of success to be used for this assessment: 70% of students will score 75% or higher.

- o Who will score and analyze the data: departmental faculty

1. Indicate the Semester(s) and year(s) assessment data were collected for this report.

Fall (indicate years below)	Winter (indicate years below)	SP/SU (indicate years below)
	2021	

2. Provide assessment sample size data in the table below.

# of students enrolled	# of students assessed
31	30

3. If the number of students assessed differs from the number of students enrolled, please explain why all enrolled students were not assessed, e.g. absence, withdrawal, or did not complete activity.

One student withdrew from the course.

4. Describe how students from all populations (day students on campus, DL, MM, evening, extension center sites, etc.) were included in the assessment based on your selection criteria.

This is one evening virtial section offered on Zoom.

5. Describe the process used to assess this outcome. Include a brief description of this tool and how it was scored.

Students form their own groups and pick the projects they want to work on. This assessment is based on the project students worked on in their group.

The project will be scored with the following weighting:

1. 250 points - Does it work

2. 30 points - Intuitive user interface

3. 30 points - Creativity and Innovation

4. 30 points - Level of difficulty

5. 30 points - Supporting Documentation

6. 130 points - Presentation

6. Briefly describe assessment results based on data collected for this outcome and tool during the course assessment. Discuss the extent to which students achieved this learning outcome and indicate whether the standard of success was met for this outcome and tool.

Met Standard of Success: Yes
100% of the students scored better than 70% in the group project. Please see the attached file.

7. Based on your interpretation of the assessment results, describe the areas of strength in student achievement of this learning outcome.

Students showed solid programming skills and worked really well in a team environment.

8. Based on your analysis of student performance, discuss the areas in which student achievement of this learning outcome could be improved. If student met standard of success, you may wish to identify your plans for continuous improvement.

The success rate exceeds the standard of success. However, the course should be assessed based on more than one outcome and one objective.

III. Course Summary and Intended Changes Based on Assessment Results

1. Based on the previous report's Intended Change(s) identified in Section I above, please discuss how effective the changes were in improving student learning.

There is no previous assessment report.

2. Describe your overall impression of how this course is meeting the needs of students. Did the assessment process bring to light anything about student achievement of learning outcomes that surprised you?

Compared to most programming courses, this course has the highest retention rate. This is partly because it is a capstone course, the last one in the program and only students who are determined and willing to take their studies seriously are enrolled in the course. Another reason is that the students really appreciate the collaboration in the class and feel they belong in their group.

3. Describe when and how this information, including the action plan, was or will be shared with Departmental Faculty.

This assessment will be shared and discussed with other faculty in the department meetings in the Fall semester.

4.

Intended Change(s)

Intended Change	Description of the change	Rationale	Implementation Date
Outcome Language	More outcomes should be added.	The course should have more than one outcome.	2023
Assessment Tool	Different assessment tools will be used based on the new outcomes.	New outcomes will be added to the course and each will need to be assessed.	2023
Objectives	New objectives will be added under each new outcome.	Each new outcome should have multiple objectives.	2023

5. Is there anything that you would like to mention that was not already captured?

> 6.

III. Attached Files

   final_project

Faculty/Preparer:	Jai Bai	**Date:** 03/31/2023
Department Chair:	Scott Shaper	**Date:** 04/04/2023
Dean:	Eva Samulski	**Date:** 04/05/2023
Assessment Committee Chair:	Shawn Deron	**Date:** 05/11/2023