

Lesson 18: Asphalt Art Project – Day 3

45 minutes

Overview

How is my growth as a software engineer reflected in my project?

Students participated in a code review at the end of the previous lesson to give and receive feedback to identify areas of improvement and fixes for problems they encountered. Students consider this feedback as they finalize development in this lesson. Students share their final projects with their peers to celebrate their successes.

Agenda

Warm Up (5 minutes)

Reflecting on Your Progress

Activity (30 minutes)

Development

Asphalt Art Display

Wrap Up (10 minutes)

Project Reflection

Assessment: Grading the Project Survey

Objectives

Students will be able to:

- Design a class to extend an existing class and implement a new method
- Reflect on the development process

Preparation

- Gather several sticky notes for each student
- Check the **Teacher's Lounge** for verified teachers on the CSA Forum to find additional strategies or resources shared by fellow teachers

Teaching Guide

Warm Up (5 minutes)

Reflecting on Your Progress

 *Remarks*

We are almost done with our first project! You should be proud of what you have accomplished in this unit and this project.

 **Discuss:** *What are you most proud of about your project so far?*


Discussion Goal: Students share what they are proud of about their project.

Activity (30 minutes)

Development (15 minutes)


Remarks

You will finish developing your program to create your asphalt art. Be sure to consider the feedback you received from your code review as you work on your program. First, let's revisit the Asphalt Art Project Planning Guide to make sure you have included everything you need to meet the project requirements.

 **Do This:** Have students self-assess their project using the guiding questions and rubric on the Asphalt Art Project Planning Guide

Remarks

Use the feedback you received from your code review and self-assessment to finalize your Asphalt Art Project.

 **Do This:** Direct students to Level 1 on Code Studio to finish developing their Asphalt Art Project. Have students submit their projects at the end of the allotted time.




Asphalt Art Project

Asphalt Art Display (15 minutes)

Remarks


Congratulations! You have completed your first project for this class. Let's show off our work through a Gallery Walk so you can share your work with your classmates.

 **Distribute:** Give each student several sticky notes.

 **Do This:** Have students participate in a Gallery Walk to view each other's mural and leave sticky notes noting what they like about the program.

Wrap Up (10 minutes)

Project Reflection

 **Do This:** Direct students to respond to the End of Project Reflection prompt on the Asphalt Art Project Planning Guide.

 Teaching Tip

If time permits, have students share their thoughts and ideas with a neighbor.

Assessment: Grading the Project

Asphalt Art Project Planning Guide: Use the rubric on the last page of the Asphalt Art Project Planning Guide to assess the projects.

Survey



Unit 1 Survey



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