

PIDP 3230

EVALUATION OF LEARNING



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AAI RATIONALE REPORT

Introduction

The CAPSTONE project is a culminating assessment of web development skills, requiring students to design, develop, and deploy a fully functional website. This rationale report explains the design and implementation of the assessment instrument used to evaluate the project.

1. What are you trying to assess (4Ps)?

The CAPSTONE project assesses both **Process** and **Product**. The process involves the design, development, and deployment of a website, while the product is the final website itself. By evaluating both aspects, we can assess a student's ability to create a functional and well-designed website.

2. What goals/outcomes reflect the assessment?

The goals of the CAPSTONE project include demonstrating mastery of front-end technologies, understanding of back-end technologies, and application of best practices in web development. The assessment outcomes include a fully functional website that meets the specified requirements and standards.

3. Why did you select this particular authentic assessment instrument (rubric)?

A rubric was selected as the assessment instrument because it provides a clear and transparent evaluation framework. Rubrics are widely used in web development courses as a standard scoring tool to guide website creation.

4. What claims of validity and reliability can you make about the instrument you created?

The rubric was designed to be valid and reliable by:

- Aligning with the course learning outcomes and objectives
- Using clear and concise language to describe the evaluation criteria
- Providing a comprehensive assessment of the website's functionality, design, and technical merit

5. Explain the scoring scale created to measure the activity.

The rubric uses a four-level scale (Level 1 to Level 4) to evaluate the website against various criteria. The scale is further mapped to a percentage score and letter grade.

6. Explain the standards or criteria selected that the student will be evaluated against.

The evaluation criteria include:

- Accessibility
- Best practices
- Content quality and accuracy
- CSS styling and layout

- Form design and functionality
- HTML usage and semantic meaning
- Image optimization and quality
- JavaScript functionality and modularity
- Link content and security
- Load time optimization
- Navigation and user experience
- Publication and deployment
- Responsiveness and mobile-friendliness
- SEO optimization
- Video and audio content
- Website design and visual appeal
- Website security

Some of these criteria, such as accessibility and website security, are deemed critical because they are essential for ensuring a good user experience and protecting user data.

The criteria are weighted according to their relative importance, with some criteria carrying more weight than others.

7. Explain the rationale for the recommendation section (interpretation of the performance).

The recommendation section provides an interpretation of the student's performance based on their score. The score is used to determine the student's level of mastery and provide feedback on areas for improvement.

8. How will you handle additional comments not captured by the scoring scale?

Additional comments not captured by the scoring scale will be handled through a separate feedback mechanism, allowing instructors to provide qualitative feedback on the student's work.

9. How will you handle multiple attempts if required?

Multiple attempts will be handled on a case-by-case basis, with instructors providing feedback and guidance to help students improve their work. The rubric will remain the same, and students will be expected to address the feedback and improve their work accordingly.

Conclusion

In conclusion, the CAPSTONE project assessment instrument is a comprehensive rubric that evaluates both the process and product of web development. The rubric provides a clear and transparent evaluation framework, aligning with the course learning outcomes and objectives. By using this rubric, we can ensure a valid and reliable assessment of student learning outcomes.

AI Models Used in Report

The ideas, structure, writing, and editing in this paper were performed by the author. Various AI models were used in collecting data, verifying data, and formatting various arguments.

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