Amazon Price Drop Tracker - Smart Phone App

Mina Gabriel

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Title: Amazon Price Drop Tracker - Smart Phone App

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Difficulty: Moderate

Specialization: Mobile and Web Computing

If other, please specify:

Most Appropriate Course: Project I

Brief Description: User should be able to sign up to the price tracking application using one of their social media accounts, after logging in, users will get a push notification on their smart phone about a price dropped for a product they previously registered for, application should be published for more user to download and test.

Number of students needed: 1

Outcomes and Deliverable: Source code, Application, Final Report

Skills Required: Android SDK, Python

Available Resources:

Program Goal: CISC 1.1: Mathematical Analysis, CISC 1.2: Sound Reasoning, CISC 1.3: Develop Solution, CISC 1.4: Deploy Solution, CISC 1.5: Secure Solution CISC 3.1: Explore New Methodologies, CISC 3.2: Explore New Design
**Student Learning Outcomes:**

1a: The student should be able to analyze a problem in a manner that facilitates the design of its solution.  
1b: The student should be able to apply relevant principles of computing during their analysis of a problem.  
1c: The student should be able to apply relevant principles of related, non-computing disciplines during their analysis of a problem.  
2a: Student is able to create a formal software design based on a given set of requirements.  
2b: Student is able to develop a software solution from a formal design specification.  
2c: Student is able to evaluate a software solution to determine its compliance with the specification.  
4a: demonstrate understanding of legal and ethical principles.  
5c: Ability to manage challenges and initiate actions to solve a challenge.  
6a: Student will be able to produce computer-based solutions by applying applicable computer science theory and software development fundamentals.