

Summer 2019

Amazon Price Drop Tracker - Smart Phone App

Mina Gabriel



Computer and Information Science Undergraduate Project Topics and Ideas

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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