

Names	Ids	Graduation Year
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Abstract:

On a college campus, it can be difficult to find parking. Even when you find parking the prices can be outrageous. Park Here is a smartphone application that can be used to find parking on Drexel's campus. Park Here utilizes a mix of map and GPS technologies to search Drexel's campus and find the closest available parking garage. Park Here was programmed entirely in python and is designed to run on Android. The app uses Google maps for routing and an open source library called "Kivy" to build its interface. An input box enables users to enter their destination on campus. After clicking a button the app then shows where that parking garage is on Drexel's Campus and provides information on how long it will take to reach it. Most importantly the app shows the user information on the parking garage itself. By the press of a button, users have access to the availability rating, safety rating, and price per hour mark for the garage. Park Here also calculates the approximate distance from the user's destination to the parking garage and tells them the distance and time it will take to walk there. The location of the garage is visualized on a map that users can easily interact with. A map marker appears on the screen that when tapped displays information on that garage. By using Park Here users will be able to minimize the time that they spend searching for parking. Additionally, users are able to see what the approximate price will be and if the garage will be open and available to them.