**Project Title:** Have an Umbrella?

**Group Number**: 12

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**Sensor:**

* GPS Tracking
  + Retrieves the user’s real-time location
* Barometer (Pressure Sensor)
  + Detects changes in the atmospheric pressure to help predict rainfall in the local area

**Abstract:** Most of us have cellphones these days. And yet, we miss preparing for days when it is supposed to rain or snow. Mostly, this is due to *not checking the weather*. To compensate, the app is anticipated to recognize the day in which an umbrella is required and *remind* the user on that day by sensing the weather and showing a pop-up that an umbrella is required. The app would require an Android with a working internet connection.

**Scenario:** This product targets people who do not get into the habit of checking the weather before they leave somewhere. The aim for this product is for people to be able to see the weather for both where they are leaving from, AND where they are heading to, and get a warning message if it is going to rain, snow, or if there is a storm coming their way. The user can use this to make sure that they have everything they need in order to get to their destination safely.