



# MOBILE APPLICATIONS – PILOT (345)

REGIONAL – 2014

*TOTAL POINTS* \_\_\_\_\_ (480)

**Judges/Graders: Please double check and verify all  
scores and answer keys!**

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*Workplace Skills Assessment Program* competition.



### **Description**

Contestants will research and develop a mobile phone and/or tablet application based upon the given scenario (see below.) Permitted platforms include and are limited to Google Android™, Apple iOS™, Blackberry™, and Microsoft Windows Phone™.

### **Topic**

BitBlit Interactive of Austin, TX, has commissioned you to develop a weather status app. When launched, the application must use the device's geolocation services to determine the user's global position. Once that information is obtained, the application must then connect to a freely available weather service API to obtain current weather information for that location and display it to the user in a clear and uncluttered manner.

There are several weather services that make their APIs freely available online, including Weather Underground and NOAA's National Weather Service. The API chosen **MUST** be free to use; proprietary weather services are not permitted.

Additional application functionality may include, but is not limited to, the following:

- Application should allow the users to add a number of "favorite" locations, which will then fetch and display weather status for those locations upon request.
- Application should perform background updates periodically. The application can check for impending precipitation conditions and alert the user via the chosen platform's notification services, e.g., "Rain at your location soon!"

### **Weather Data APIs**

NOAA National Weather Service: <http://graphical.weather.gov/xml/>

Weather Underground: <http://www.wunderground.com/weather/api/d/docs>

### **Note to Contestants**

This is **NOT** an all or nothing event. You will be given credit for portions of the event you complete. You should, therefore, complete as many tasks as possible.



### **JUDGING PROCEDURE**

- Contestants will be introduced by contestant number.
- Contestants will present before a panel of judges and timekeeper.
- As a team of judges, formulate two to three questions to ask at the conclusion of the presentation. Be sure to ask the same questions of each contestant.
- The length of set-up will be no more than five (5) minutes.
- The length of the presentation will be no more than ten (10) minutes; followed by judges' questions not to exceed five (5) minutes.
- Excuse contestants upon completion of judges' questions.
- **There can be no ties in the top ten (10) contestants.** It is the responsibility of the judges to break any ties.
- Administrator will need to pair the Judges Technical Scoring Rubric for each contestant with the Final Presentation Rubric to arrive at a final score.
- Administrator will fill out ranking sheet prior to dismissing the judges.
- If more than one (1) section is necessary, finalists will be determined by selecting an equal number from each section.
- Give administrator all Judges' Rating Sheets, Judge Evaluation Sheets and contest materials.
- No audience is allowed in the contest room.

**Please double-check and verify all scores!**