



"Any sufficiently advanced bug is indistinguishable from a feature."

-Rick Kulawiec

Introduction

Ever wondered about making a game like "Temple Run" on which you sweat for hours every day? Microsoft Visual Studio for Windows Phone and Google Android gives you a world-class platform for creating apps and games for Windows Phone (7.1, 8.0 and 8.1 devices) and Android Phone users everywhere, as well as an open marketplace for distributing to them instantly. For anyone and everyone who have interest in the field of mobile application development, this event is definitely for them.

Overview

The Mobile App Competition, hosted by the JSS Nokia Research Labs for students of every college, is a chance for you to:

- showcase your already polished skills as a mobile app developer,
- continue to hone your current skills, or
- expand your repertoire into this popular space.

Come up with your idea, just make the Frontend of the app, like few basic UX/UI elements, you need not build complete app.

Make sure you come to the Kickoff Event to learn more about how the competition is structured. Don't miss out on this exciting competition and great opportunity!

Event has already begun...Download the PDF for full details of various application to choose from

Applications:

The applications can be of two types:

- **Static Applications** which would be simple and easy to build to their goals.
- **Dynamic Applications** which would need to fetch some dynamic content and accomplish the objectives.

The various categories of apps chosen should be from topics related to :-

I) Any very unique preventative application

Any application of your choice, the application must be unique and well-designed depicting your awesomeness work, which could be well appreciated by our judge's team 😊.

(or)

I) I'm over here!

Let your friends and family know where you are with this basic Geocoding app, which establishes phone's location and prompts the user to send an SMS or email with the current location details to contacts.

The Application should mainly focus on giving information and details to the user of his current location via GPS Sensor. It should read the geo-coordinates of the present location using the phone in-built libraries and using any simple web-services API like Google Geo API, Bing Maps API, Bing Maps API, provide full address including things like Area, Sector, District, State, Country and Zip Code.

2) SOS-Women Help Line Module

Safety for woman nowadays is the biggest matter of concern for each and every individual. Our government is not yet working hard to ensure safety to them all the kind of odds.

Design a basic app for ensuring the safety of Women. The Application must have a dialer module which will contain corresponding women helpline numbers for the area. The App must have a form for filing complaints against irrational behavior and neglect. Provisions should be there so that Women can contact directly with NGOs and Local NGOs for their betterment. The app should contain various other relevant information needed.

3) GO Vote!

How would you inspire and mobilize India to vote in the Indian General Elections 2014 using mobile apps?

Create innovative apps for Windows Phone or Android Platform to encourage voting, get your voice heard and provide interactive information about General Elections 2014.

The application should contain the details of upcoming elections and should also display the results of real time data.

3) A Tech Geek based app to displays all the trendy affairs

The app must display all the prevailing affairs and news for all various important tech giants. There can be a panel for User reviews. The Application must help them decide to opt for services which are suited to them for the best.

What the app basically has to do is to read the information from websites for example RSS Feeds and present them live into their app.

4) Simple Parent Teacher Interaction Module for their children

A module showing a Direct Communication Channel for the Parents and Teachers for their interaction so that it can help the students in the long run through their career.

5) Professional Web Browser

There are hundreds of Web Browsers available, so how come, there does not seem to be one single browser that meets all our needs? Well, I know that is true for me at least.

As you can see from the Browsers come in all kinds of designs. Design a basic Web Browser that will contain all major functionalities. In essence they must have the following components:

1. Favorites List
2. An Address Bar and Search Bar
3. A multi-tab Interface
4. The main display section for showing web pages
5. A status bar, Refresh Button, Back Button etc.

6) Imaging App

Design a basic image capturing app that would let user to capture image and would help user to make editing in it like cropping it, adding various effects, increasing or decreasing the brightness, sharpness or intensity of image etc.

Team

- **The event consist of two rounds:**

1) The students will need to build and submit the app design from given list and **upload the .xap file or .apk file in case build, and if not then submit in very brief about your idea to jssnokia@gmail.com**

2) The selected candidates in the first round to present their apps with help of .ppts and finally working apps build by them on projector provided. The detail for this round will be uploaded soon.

- Only undergraduate and post graduate students of any recognized university can participate.
- Only **2 students** per team are allowed to participate. Participants from different institutions can also form a team.
- Individual Participation is also allowed.

Rules

The results for the event will be declared by 16th April 2014.

- Mention the **title of your project, your names, team names and your college**, while submitting on jssnokia@gmail.com.
- Along with project also try attach a flow chart description of basic functioning of your app in .ppt, .jpg, .pdf (or) .docx format.

- In case apps, if broken in modules, presenting well defined UX/UI, giving live notification to user, and presenting live information on home screen, or tiles will be awarded extra points.
- Winners in competition during ZEALICON 2014 will be selected on the basis of the file uploaded after thorough evaluation by judges.
- The members of the competing team must control the majority of the intellectual property rights of the app submitted to the competition.
- The members of the competing team must account for the majority of the work and resources put into the creation and marketing of the app. You may use third-party frameworks if you have acquired appropriate licenses to use them.
- New, unique apps with good interface and design, will get higher priority to be considered for the competition.
- Teams may submit one (1) or more apps if they wish to from the given list of apps, for the competition.
- For apps, the following operating systems can be used for this competition:

1. Android (Version: 2.3.3 Gingerbread and above)
2. Windows Phone (Version: Windows Phone 7.1)

- All code used to develop official competition entries must be submitted for review. Judges will look at your code as part of the Judges Choice evaluation. Teams retain all rights to their app and code. JSS NOKIA Research Labs will treat source code like course work handed in as part of taking a class at the university. It will remain private, but faculty (and judges acting on behalf of the faculty) may examine it.
- Participants must make sure that their participation in ZEALICON does not lead to violation of Copyright laws of any applications already implemented.
- The JSS NOKIA Innovation Labs reserves the right to change and/or otherwise alter these rules at any time and for any reason.
- The results will be declared on 16th April 2014. All final round participants and winners will be awarded certificates.
- Plagiarized content will be strictly dealt with and would lead to participant's disqualification. In case of any discrepancy, organizers decision will be final and binding.

References and guidelines for app development on Windows Phone Platform

- 1/ <https://dev.windowsphone.com/en-us/develop>
- 2/ <https://developer.nokia.com/lumia>

3) <http://www.microsoftvirtualacademy.com/training-courses/windows-phone-8-apps-development-jumpstart>

Here are some comments to guide you to write effective applications :

- 1) Fail gracefully: How unexpected errors when apps gives error while running on emulator?
- 2) Write Modular code that can be tested as individual blocks.
- 3) The code should read like a novel, it should be self-explanatory. Each twisted logic should have a comment/explanation.

Schedule

The **first round** is an offline event. You can start building apps from the given list starting from now itself. You need to submit **.xap (or) .apk file, (or) your idea in form of flowchart and bit description** at **jssnokia@gmail.com** with your team details. The projects should be submitted before 7:00 pm 13th April 2014. The result of the selected team in prelims will be informed to candidates by 9:00 pm 13th April 2014.

The second round is online event where the students need to show cast their innovative apps and ideas with some ppts (5-10 slides describing about what apps is, need for app to users, its implementation etc.) before judges. The date for this is 14th April 2014, Seminar Hall AB-3 Room No-213 12:00 pm (exact).

Prizes

1st Team Prize-2000/- Rs

2nd Team Prize-1200/- Rs

Register Now

You can register at the help desk or online for your team at :-

https://docs.google.com/forms/d/1McgnKqNNGNMja4jl5f0wIEEkNC6kFNRQHKOSaqAlKr8/viewform?edit_requested=true

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