

Nebraska Tech Challenge

*Deadline: **WEDNESDAY, FEBRUARY 14, 2018***

Overview

This event is a Nebraska only competition. The problem/topic will change every year. This is an opportunity for students to highlight their technology skills through completion.

Eligibility

Each chapter may submit one entry created by an individual or team in Grades 5 through 12.

Project Competencies

- Development of program is logical and creative
- Code is commented at appropriate points
- Interface is a logical arrangement and contains all necessary information
- App runs without error

Topic

Develop an app to manage the Tally It Up community service points. The app must be able to do or show the following:

- *Allow students and teachers to submit FBLA related community service hours.*
- *Remind students and teachers each month to submit their hours.*
- *Show the total number of hours for each individual, their chapter, and Nebraska FBLA.*

Guidelines

- The individual or team will research the topic and then create a mobile application on the topic.
- Competitors must prepare the program. Advisers and other individuals are not permitted to help.
- Competitors may use one of the following platforms to develop the mobile application: Google's Android, Apple iOS, or Microsoft Windows Phone.
- The entry must include the source code and screen shots of the GUI in PDF format for review.
- The solution must run standalone with no programming errors.
- The application may deploy from a smartphone, tablet, or both, but must be smartphone deployable.
- The application does not need to be available for download from a digital-distribution multimedia content service such as Google Play, Apple Store, or Microsoft.
- Complete the online *Statement of Assurance* entry form found on the Nebraska FBLA website.
- Submit project electronically on the *Statement of Assurance* entry form.
- Name file: **techchallenge_chaptername_year**

Judging

Entries must address the topic. Entries will be judged by a panel of judges according to the rating sheet. All decisions of the judges are final.

National Entry

This is a state only competition. No national entries for this event.

Nebraska Tech Challenge Rating Sheet

Application Readability	Not Demonstrated		Below Expectations		Meets Expectations		Exceeds Expectations		Points Earned
Packaged with complete file, readme, and instructions	Incomplete package		All elements of package are included		All elements of package are included, clearly labeled, and functional		Packaging is clear to the point that even though instructions are included, they are unnecessary		
	0	<input type="radio"/>	7	<input type="radio"/>	14	<input type="radio"/>	20	<input type="radio"/>	
Application functionality	Application does not launch		Application launches		Application launches in appropriate IDE (Xcode, Eclipse, Visual Studio)		Application appears to be compatible with more than one platform when launched		
	0	<input type="radio"/>	7	<input type="radio"/>	14	<input type="radio"/>	20	<input type="radio"/>	

Application Design

Application addresses the topic/problem	Application does not address the topic/problem		Application addresses the topic/problem at a minimal level		Application fully addresses the topic/problem		Application fully addresses the topic/problem and the correlation is explained in the instructions		
	0	<input type="radio"/>	14	<input type="radio"/>	21	<input type="radio"/>	30	<input type="radio"/>	
Social media is incorporated into program	Social Media is not incorporated		One social media platform is incorporated		Two or more social media platforms are incorporated		App is integrated to work directly with at least one social media application		
	0	<input type="radio"/>	14	<input type="radio"/>	21	<input type="radio"/>	30	<input type="radio"/>	
Navigation	App navigation is unclear		App navigation contains errors		App navigation is clear and contains no more than one error		App navigation is error free and can be used without instruction		
	0	<input type="radio"/>	7	<input type="radio"/>	14	<input type="radio"/>	20	<input type="radio"/>	
Code	Code is incorrectly written		Code has 3 or more errors		Code is error free and commented appropriately		Code is error free, commented, and written in a consistent language		
	0	<input type="radio"/>	7	<input type="radio"/>	14	<input type="radio"/>	20	<input type="radio"/>	
Icon and graphics	App does not have a custom icon or graphics		App has a basic custom icon and graphics		App has an icon that tells something about the app		App has an icon that tells something about the app and is integrated into app graphics		
	0	<input type="radio"/>	14	<input type="radio"/>	21	<input type="radio"/>	30	<input type="radio"/>	
Bugs	App has multiple bugs that impair use		App has bugs that do not impair use		App is bug free and operates without errors		App is bug free and offers a bug reporting system should a user later discover a bug		
	0	<input type="radio"/>	14	<input type="radio"/>	21	<input type="radio"/>	30	<input type="radio"/>	
Total Points (200 max)									

Name(s):

School:

Judge's Signature:

Date: