

2023-24 Competitive Events Guidelines

Mobile Application Development



Mobile Application Development provides members with the opportunity to develop a mobile application based on a given topic. This competitive event consists of a presentation component where the application is demonstrated for the judges.

Event Overview

Division: High School

Grade Level: 9-12

Event Type: Team of 1, 2 or 3 members

Event Category: Presentation (Pre-judged, no presentation at SLC)

Event Elements: Presentation with a Topic

Pre-judged Component: Project files due February 14.

NACE Connections: Career & Self-Development, Communication, Critical Thinking, Leadership, Professionalism, Teamwork, Technology

2023-2024 Topic

Create a mobile application that enables students to create a portfolio of their high school experiences. This app should allow students to showcase any of the following: their academic achievements, athletic participation, performing arts experience, clubs and organization memberships, community service hours, honors classes, and other related items.

Nebraska: State Leadership Conference (SLC)

Event Guidelines

One entry per chapter.

Each chapter may submit entries created by an individual or team of two (2) or three (3) members in Grades 9 through 12. No team member may have placed in the top 10 for this event at a previous NLC. All team members must be registered for the State Leadership Conference to participate in this event.

- 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 screenshots of the GUI in PDF format for review.
- The solution must run standalone with no programming errors.
- The application may deploy from a tablet, 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.
- Submit the project electronically on the entry form. (Blue Panda)
 - May need to Zip the folder with project files before submitting.
 - Cloud Storage URLs are acceptable.
- Name file: **MobileApp_chaptername_lastnames_year**
(i.e. MobileApp_NDE_Garrison_20XX)

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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.

The first-, second-, and third-place winners of this event will be entered in the Mobile Application Development event at the National Leadership Conference, provided they have not placed in the top 10 for this event at a previous National Leadership Conference.

National Leadership Conference (NLC)

Equipment Provided by Competitors: Technology and presentation items for preliminary and final round presentation

Equipment Provided by FBLA: Internet access and table for preliminary round presentation; Internet access, table, power, projector & screen for final round presentation

Presentation Time: 3-minute set-up, 7-minute presentation time, 3-minute question & answer time

Policy and Procedures Manual

Competitors should be familiar with the Competitive Events Policy & Procedures Manual, found on the Competitive Events page on www.fbla.org.

Eligibility

- FBLA membership dues are paid by 11:59 pm Eastern Time on March 1 of the current school year.
- Members may compete in an event at NLC more than once if they have not previously placed in the top ten of that event at NLC. If a member places in the top ten of an event at NLC, they are no longer eligible to compete in that event.
- Members must be registered for the NLC and pay the national conference registration fee in order to participate in competitive events.
- Members must stay in an official FBLA hotel in order to compete.
- Each state may submit four entries. (Nebraska three entries)
- Each competitor can only compete in one individual/team event and one chapter event (American Enterprise Project, Community Service Project, Local Chapter Annual Business Report, Partnership with Business Project).
- Only competitors are allowed to plan, research, prepare, and set up their presentations.
- Each competitor must compete in all parts of an event for award eligibility.
- All members of a team must consist of individuals from the same chapter.
- Picture identification (driver's license, passport, state-issued identification, or school-issued identification) is required when checking in for competitive events.
- If competitors are late for a presentation time, they will be allowed to compete until such time that results are finalized, or the accommodation would impact the fairness and integrity of the event. Competitive events start in the morning before the Opening Session of NLC.

Recognition

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- The number of competitors will determine the number of winners. The maximum number of winners for each competitive event is 10.

Event Administration

- This event has two parts: preliminary presentation and final presentation
- Preliminary Presentation Information
 - **Equipment Set-up Time:** 3 minutes
 - **Presentation Time:** 7 minutes (one-minute warning)
 - **Question & Answer Time:** 3 minutes
 - **Internet Access:** Provided (Internet access may not be Wi-Fi, so competitors should plan appropriately when selecting devices on which to present. Please note that internet reliability at any conference venue cannot be guaranteed. Always have a backup plan in case internet connections go down.)
 - The presentation is judged at the NLC. Preliminary presentations are not open to conference attendees. The presentation will take place in a large, open area, with a booth size of approximately 12' x 12'.
 - Competitors/teams are randomly assigned to sections.
 - Competitors present directly from a laptop/device. Screens and projectors are not allowed for use, and competitors are not allowed to bring their own. Power will not be available.
 - Competitors can present with and bring any of the following technology into the presentation as long as it fits on the small table in front of the judges' table or is held by the competitors:
 - Laptop
 - Tablet
 - Mobile phone
 - External monitor that is approximately the size of a laptop monitor
 - Visual aids and samples related to the project may be used during the presentation; however, no items may be left with the judges or audience.
 - When the equipment set-up time has elapsed, the timer will automatically start the presentation time.
 - If performing as a team, all team members are expected to actively participate in the presentation.
 - No animals (except authorized service animals) will be allowed for use in any competitive event.
 - Presentation should cover the following aspects of the application:
 - The platform used to develop the application. The following platforms may be used to develop the project: Google's Android, Apple iOS, or Microsoft Windows Phone.
 - The solution must run standalone with no programming errors.
 - Applications may deploy from a smartphone, tablet, or both, but must be smartphone deployable.
 - Applications do not need to be available for download from a digital-distribution multimedia-content service.

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- The usability and functionality of the program must be demonstrated to the judges.
- Competitors must show the judges any of the following that are applicable: readme file, source code, documentation of templates/libraries used, documentation of copyright and sources of materials used.
- The presentation should follow the rating sheet and include the following:
 - Design and Code Quality: Explain the design and implementation of the application.
 - User Experience: How do users experience the interface? Is there an ease-of-use and accessibility?
 - Application Functionality: Social media integrations
- Final Presentation Information
 - **Equipment Set-up Time:** 3 minutes
 - **Presentation Time:** 7 minutes (one-minute warning)
 - **Question & Answer Time:** 3 minutes
 - **Internet Access:** Provided (Internet access may not be Wi-Fi, so competitors should plan appropriately when selecting devices on which to present. Please note that internet reliability at any conference venue cannot be guaranteed. Always have a backup plan in case internet connections go down.)
 - An equal number of competitors/teams from each section in the preliminary round will advance to the final round. When there are more than five sections of preliminary presentations for an event, two competitors/teams from each section will advance to the final round.
 - Final presentations may be open to conference attendees, space permitting. Finalists may not view other competitors' presentation in their event.
 - Competitors can present with and bring any of the following technology into the presentation as long as it fits on the small table in front of the judges' table or is held by the competitors:
 - Laptop
 - Tablet
 - Mobile phone
 - External monitor that is approximately the size of a laptop monitor
 - The following will be provided for the final round if it occurs in a conference room: screen, power, table, and projector. Competitors using laptops or other devices that do not have an HDMI port will need to provide their own adapters. It is up to final-round competitors to determine if they wish to use the technology provided.
 - Visual aids and samples related to the project may be used during the presentation; however, no items may be left with the judges or audience.
 - When the equipment set-up time has elapsed, the timer will automatically start the presentation time.
 - If performing as a team, all team members are expected to actively participate in the presentation.
 - No animals (except authorized service animals) will be allowed for use in any competitive event.
 - Presentation should cover the following aspects of the application:

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- The platform used to develop the application. The following platforms may be used to develop the project: Google's Android, Apple iOS, or Microsoft Windows Phone.
- The solution must run standalone with no programming errors.
- Applications may deploy from a smartphone, tablet, or both, but must be smartphone deployable.
- Applications do not need to be available for download from a digital-distribution multimedia-content service.
- The usability and functionality of the program must be demonstrated to the judges.
- Competitors must show the judges any of the following that are applicable: read me file, source code, documentation of templates/libraries used, documentation of copyright and sources of materials used.
- The presentation should follow the rating sheet and include the following:
 - Design and Code Quality: Explain the design and implementation of the application.
 - User Experience: How do users experience the interface? Is there an ease-of-use and accessibility?
 - Application Functionality: Social media integrations

Scoring

- The preliminary presentation score will determine the finalists.
- The final presentation score will determine the winners.
- Judges must break ties. All judges' decisions are final.

Americans with Disabilities Act (ADA)

- FBLA meets the criteria specified in the Americans with Disabilities Act for all competitors with accommodations submitted through the conference registration system by the registration deadline.

Recording of Presentations

- No unauthorized audio or video recording devices will be allowed in any competitive event.
- Competitors in the events should be aware FBLA reserves the right to record any presentation for use in study or training materials.

Penalty Points

- Competitors may be disqualified if they violate the Competitive Event Guidelines or the Honor Code.
- Five points are deducted if competitors do not follow the Dress Code or are late for their assigned presentation time.

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Mobile Application Development Presentation Rating Sheet

Expectation Item	Not Demonstrated	Below Expectations	Meets Expectations	Exceeds Expectations	Points Earned
Design and Code Quality					
Planning Process	No explanation or description of the planning process	Explains the process but does not share tangible planning documents	Explains the process and shares tangible planning documents	Explains process using industry terminology and displays tangible planning documents	
	0 points	1-6 points	7-8 points	9-10 points	
Appropriate use of classes, modules, and/or components	No use of classes, modules, or components	Use of classes, modules, and/or components	Appropriate use of classes, modules, and/or components	Expert use of classes, modules, and/or components	
	0 points	1-2 points	3-4 points	5 points	
Appropriate use of mobile app architectural patterns	No use of architectural patters	Unclear use of architectural patterns	Appropriate use of architectural patterns	Expert use of architectural patterns	
	0 points	1-2 points	3-4 points	5 points	
User Experience					
Users can easily navigate between pages	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 points	1-6 points	7-8 points	9-10 points	
User interface is intuitive or clear instructions are provided	No instructions provided and is not intuitive	Instructions provided or app is not intuitive	Appropriate & clear instructions are provided	App is intuitive and clear instructions are provided	
	0 points	1-2 points	3-4 points	5 points	
Icons/graphical elements are appropriate and consistent	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 points	1-2 points	3-4 points	5 points	
User input is validated	User input isn't validated	User input is somewhat validated	User input is validated	Input validation applied on both syntactical and semantic levels	
	0 points	1-2 points	3-4 points	5 points	
Application Functionality					
Program addresses all parts of the prompt	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 points	1-6 points	7-8 points	9-10 points	
Integrated with social media	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 points	1-6 points	7-8 points	9-10 points	
Documentation and copyright compliance	Sources are not cited	Sources/References are seldom cited to support statements	Professionally legitimate sources & resources that support statements are generally present	Compelling evidence from professionally legitimate sources & resources is given to support statements	

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	0 points	1-2 points	3-4 points	5 points	
Expectation Item	Not Demonstrated	Below Expectations	Meets Expectations	Exceeds Expectations	Points Earned
Presentation Delivery					
Statements are well-organized and clearly stated	<i>Competitor(s) did not appear prepared</i>	<i>Competitor(s) were prepared, but flow was not logical</i>	<i>Presentation flowed in logical sequence</i>	<i>Presentation flowed in a logical sequence; statements were well organized</i>	
	0 points	1-6 points	7-8 points	9-10 points	
Demonstrates self-confidence, poise, assertiveness, and good voice projection	<i>Competitor(s) did not demonstrate self-confidence</i>	<i>Competitor(s) demonstrated self-confidence and poise</i>	<i>Competitor(s) demonstrated self-confidence, poise, and good voice projection</i>	<i>Competitor(s) demonstrated self-confidence, poise, good voice projection, and assertiveness</i>	
	0 points	1-6 points	7-8 points	9-10 points	
Demonstrates the ability to effectively answer questions	<i>Unable to answer questions</i>	<i>Does not completely answer questions</i>	<i>Completely answers questions</i>	<i>Interacted with the judges in the process of completely answering questions</i>	
	0 points	1-6 points	7-8 points	9-10 points	
Staff Only: Penalty Points (5 points for dress code penalty and/or 5 points for late arrival penalty)					
Presentation Total (100 points)					
Name(s):					
School:					
Judge Signature:					Date:
Comments:					