# CEED PHONE APP

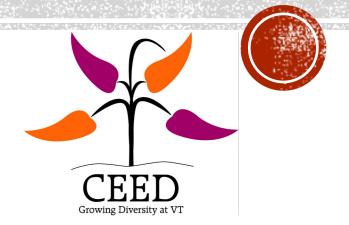
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CS4624: Multimedia, Hypertext, and Information Access

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# OUTLINE

- 1. Problem Identification
- 2. Project Timeline
- 3. Implementation
- 4. Technology Stack
- 5. Testing
- 6. Challenges
- 7. Possible Improvements
- 8. Demo
- 9. References & Acknowledgements

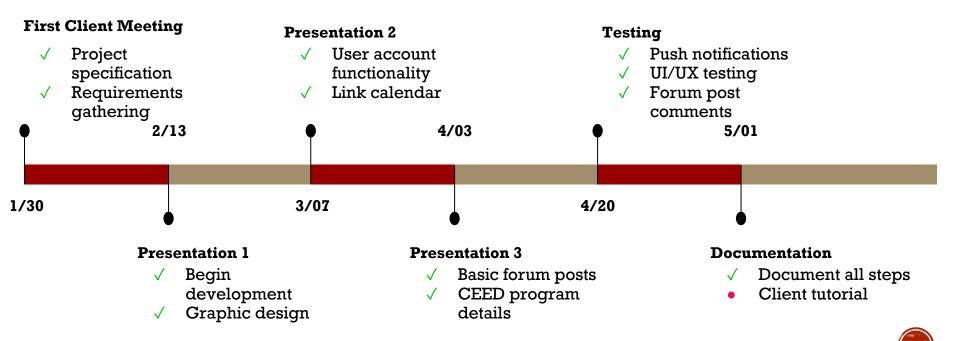


#### PROBLEM IDENTIFICATION

- **Problem Statement:** Cross-platform mobile application to serve current and future CEED members as well as parents
- App Requirements:
  - Push Notifications
  - CEED Program Information
  - CEED Event Calendar
  - Forum Functionality



## PROJECT TIMELINE



#### IMPLEMENTATION

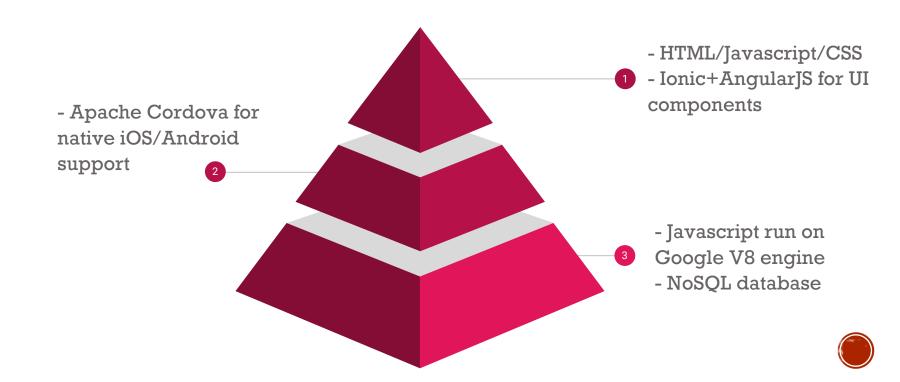
#### Appery.io

- Full stack cloud platform for hybrid mobile applications
- Tool to drag-n-drop major UI components
- Dashboard for easy app administration
- Custom javascript services and HTML code
- Implemented Existing Appery Plugins





#### TECHNOLOGY STACK



#### **TESTING**

- Testing performed on Appery.io backend
- Used SUS test via survey (UX)
- Weinre Debugger (UI)

Participant	q1	q2	q3	q4	q5	q6	q7	q8	q9	q10	SUS Score
p1	1	2	4	2	3	2	3	2	3	2	60
p2	1	1	4	1	2	1	4	1	4	1	75
p3	1	1	5	1	3	1	3	2	3	1	72.5



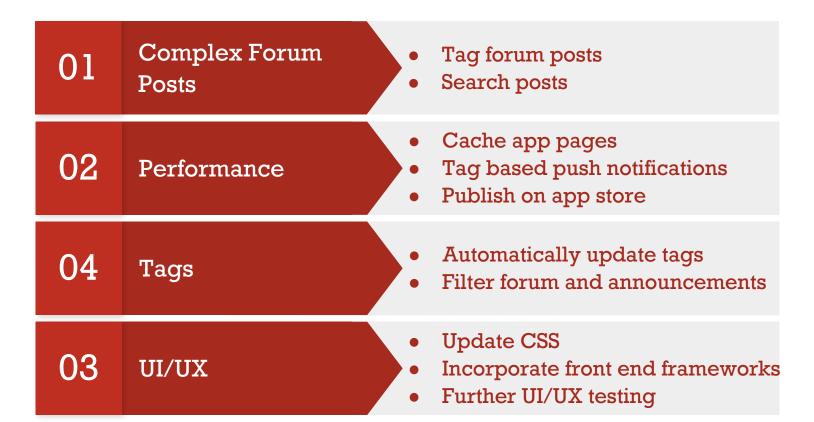
#### CHALLENGES

- Vague project requirements
- Communication with client
- Short time-frame
- Appery.io learning curve
- Poor Appery.io support





#### POSSIBLE IMPROVEMENTS



### **DEMO**





#### REFERENCES & ACKNOWLEDGEMENTS

- CEED contacts
  - Kristin Morrill
  - Dr. Bevlee Watford
  - Karis Boyd-Sinkler
- "Center for Enhancement of Engineering Diversity-CEED." Virginia Tech College of Engineering. Virginia Tech. Web. 23 Feb. 2018.
   <a href="https://eng.vt.edu/ceed.html">https://eng.vt.edu/ceed.html</a>.
- "Plans & Pricing." Appery.io. Appery, LLC. Web. 23 Feb. 2018.
   <a href="https://appery.io/pricing/">https://appery.io/pricing/</a>>.



# **QUESTIONS**





- Figure 1.1 Login Page
- Figure 1.2 Create Account Page
- Figure 1.3 Home Page
- Figure 1.4 Hamburger Menu
- Figure 1.5 About CEED
- Figure 1.6 Calendar
- Figure 1.7 Programs Page
- Figure 1.8 Program Details Page
- Figure 1.9 Forum Page
- Figure 1.10 Forum Post Details Page
- Figure 1.11 Announcements Main Page
- Figure 1.12 Update Tags

•	CEED George (Bounty at VT	
Login		
Username		
Password		
	Login	
New User?		
	Register	

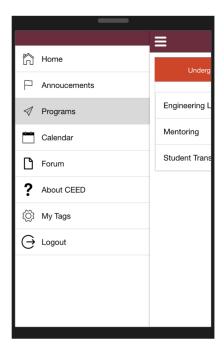
Figure 1.1 Login Page

Credentials	
Username	
00011101110	
Password	
Email	
Country	
My Tags	
Tags allow announcements by the CEED programs you n. Select the tags below the with your account to receive	,
Tags allow announcements by the CEED programs you n. Select the tags below the with your account to receive	u are interested or involved hat you wish to associate ve updates via push
fags allow announcements by the CEED programs you n. Select the tags below the with your account to receivant inotifications.	u are interested or involved hat you wish to associate ve updates via push  Rising Sophomore Rising Junior
Tags allow announcements by the CEED programs you.  N. Select the tags below the selection of the technique	u are interested or involved hat you wish to associate ve updates via push  Rising Sophomore
Tags allow announcements by the CEED programs you.  N. Select the tags below the selection of the technique	u are interested or involved nat you wish to associate ve updates via push  Rising Sophomore Rising Junior Rising Senior
by the CEED programs you n. Select the tags below the with your account to receivantifications.	u are interested or involved nat you wish to associate ve updates via push  Rising Sophomore Rising Junior Rising Senior VT First Year

CEED
Growing Diversity at VT Announcements Calendar Programs ? About CEED Forum My Tags Logout

Figure 1.2 Create Account Page Figure 1.3 Home Page





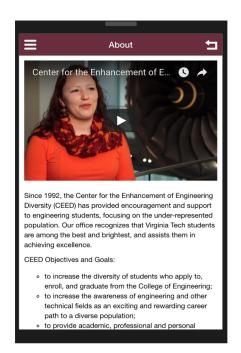




Figure 1.4 Hamburger Menu Figure 1.5 About CEED Figure 1.6 Calendar Page







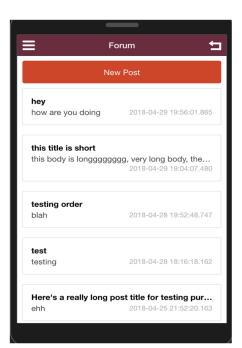


Figure 1.7 Programs Page Figure 1.8 Program Details Page Figure 1.9 Forum Page

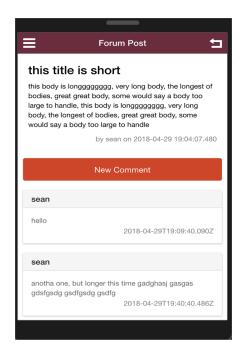


Figure 1.10 Forum Post Detail Page



Figure 1.11 Announcements Main Page Figure 1.12 Update Tags

