



NU OR

Mobile App Competition



Congratulations to the teams!

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App Development



Operating Systems

- Windows
- Linux
- MacOS



IDE (Integrated Development Environment)

- Android
 - Android Studio
 - Eclipse
 - IntelliJIDEA
 - SublimeText/Notepad++
- iOS
 - Xcode
 - Appcode



Hybrid Mobile App Frameworks

- ReactNative
- Xamarin
- PhoneGap
- Framework7
- etc.



General Stack: Backend

- Languages
 - Java
 - PHP
 - Python
 - Javascript
 - Swift/Objective-C



General Stack: Backend

- Database
 - MySQL
 - PostgreSQL
 - Sqlite
 - MongoDB
 - etc.



General Stack: Backend

- Java App Servers
 - Wildfly/JBoss
 - Glassfish
 - Tomcat(.war only)
 - Jetty



General Stack: Backend

- Portal Engine
 - Liferay

- PHP CMS
 - Drupal
 - Django



General Stack: Frontend

- Web Frameworks & JS api
 - ReactJS
 - JQuery
 - Dojo Toolkit
 - etc.



Current objects of OR & Student Portal



Office of the Registrar

- Users, Groups from LDAP
- User:
 - id
 - Name
 - Email
 - Password
 - Personal_info
 - Academic_programs, etc



Office of the Registrar

- Gradebook (for Transcript):
 - Academic_program
 - Term
 - Lesson
 - Date
 - Grade



Office of the Registrar

- Scheduler:
 - Course_name
 - Term_name
 - Lesson_name
 - Room_number
 - Week_number
 - Start_time
 - End_time
 - Type(lab/lecture)



Office of the Registrar

- Room_reservation:
 - User_id
 - Room_number
 - Start_time
 - End_time



Student Portal

- Users, Groups from LDAP
- CLUBS:
 - Clubs:
 - id
 - Name
 - Reg_date
 - Owner_id
 - Status,
 - Description,
 - Logo, etc



Student Portal

- CLUBS:
 - Club_members:
 - Combination_key{stud_id + club_id},
 - Membership_type,
 - Position
 - Reg_date
 - Exp_date
 - etc.



Student Portal

- EVENTS:
 - Events:
 - Id
 - Club_id
 - Name
 - Description
 - Location
 - Reg_date
 - Contacts
 - Logo, etc.



Student Portal

- EVENTS:
 - Events_details:
 - Events_id
 - Start_date
 - End_date
 - Start_time
 - End_time



Student Portal

- NEWS:
 - News:
 - Id
 - Club_id
 - Title
 - Description
 - Owner_id
 - Logo
 - Location
 - etc.



Student Portal

- Counseling Center:
 - Psychologists:
 - User_id
 - User_name
 - Tel
 - Office
 - Email



Student Portal

- Counseling Center:
 - Consultation:
 - id
 - Owner_id
 - Psychologist_id
 - Session_time
 - etc.



Student Portal

- Counseling Center:
 - Training:
 - id
 - Owner_id
 - Title
 - Description
 - Start_time
 - End_time, etc.



Questions?

* please ask as many as you can as there are no such thing as bad questions ;)