DawgPons

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- Problem Statement:
  - Restaurants need effective way to generate business
  - Students want incentives for bringing restaurants business
- Solution:
  - Andriod rewards app that allows students to earn points for eating at their favorite University District restaurants
  - Redeem points for meal discounts
- Alternatives:
  - Student Survival Kit
  - Coupons
- Benefits:
  - Points redeemable at all participating restaurants
  - Points always available for use

Software Architecture

Front-End	
Users	Restaurants
Android	**Website/Webapp**
Rendering/UI	Validation Codes
Data Insertion/Manipulation	
Digital Coupon Generation	
Communication with server	

Back-End	
Service/Logic	Database
Apache/Java	**MySQL**
Validation Code generation	Validation Codes
Data manipulation	User Data
	Restaurant Data
	Coupons

Challenges and Risks

- **Biggest Challenge:**
  - Interface between the front end application and the back end database
  - Solution:
    - Thorough analysis and design will enable the team to develop each end in parallel, and successfully integrate the two
- **Biggest Risk:**
  - Restaurant participation
  - Solution:
    - Effective marketing