

# Web Tools Project

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# CHOICE OF TOPIC

- KETTOS
- UNDERGRAD CAPSTONE PROJECT AND AED PROJECT WERE TOPICS ON SOCIAL WELFARE
- WANTED TO CONTINUE IN THE SAME DOMAIN

# DATABASE DIAGRAM



Bird's Eye

Zoom: 75%



Catalog Tree

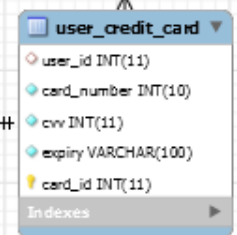
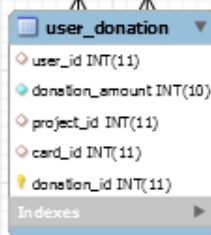
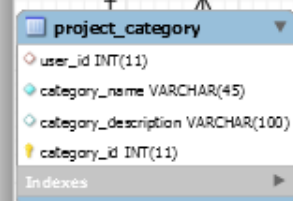
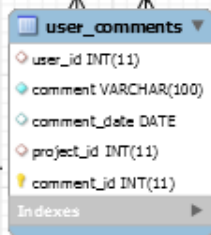
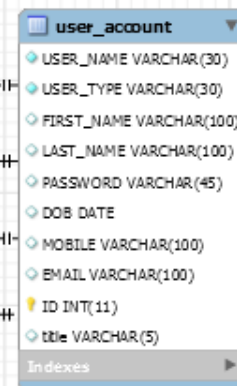
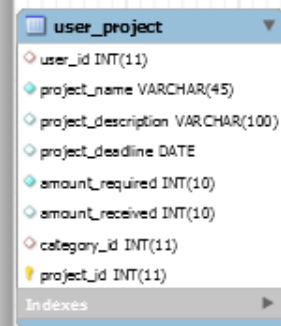
- mydb
  - Tables
  - Views
  - Routine Groups
- myproject

Catalog Layers User Types

Description Editor

Description Properties H

Diagram



Modeling Additions

- timestamps**  
create\_time, update\_time
- user**  
username, email, password, ...
- category**  
category\_id, name

Templates

# APPLICATION ARCHITECTURE

- **AngularJS (Front End)**
- **REST (Using Model for both Capture Data and Responding)**
- **Service (Business Logic for the application- Converting Model to Entity and reverse)**
- **DAO (Database Access performing CRUD)**
- **Spring Injection for (SessionFactory/Controller/Service/DAO)**
- **Hibernate (Hibernate Mapping: hbm.xml / annotation)**

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# APPLICATION FLOW

# HOME PAGE

- SHOWN ON STARTUP FOR ALL USERS
- CAN VIEW A LIST OF PROJECTS
- CANNOT VIEW DETAILS OF PROJECT: HAVE TO LOGIN/REGISTER

# REGISTRATION PAGE

- NEED TO REGISTER WITH A UNIQUE USERNAME IN ORDER TO LOGIN
- NEED TO CHOOSE USER TYPE : CREATOR OR USER
- PASSWORD IS HASHED AND STORED IN THE DATABASE



# LOGIN PAGE

- NEED TO ENTER CORRECT USERNAME AND PASSWORD CREDENTIALS
- ADMIN GOES TO ADMIN DASHBOARD
- CREATOR TO CREATOR DASHBOARD
- DONOR TO DONOR DASHBOARD

# ADMIN DASHBOARD

- CAN CREATE CATEGORIES
- CAN DELETE PROJECTS
- WHEN YOU DELETE A PROJECT, CORRESPONDING DONATIONS AND COMMENTS GET DELETED AS WELL.
- CAN VIEW ALL CATEGORIES AND PROJECTS

# DONOR DASHBOARD

- CAN VIEW ALL PROJECTS
- CAN DONATE TO ALL PROJECTS
- CAN COMMENT ON PROJECTS

# CREATOR DASHBOARD

- CAN CREATE PROJECTS
- CAN VIEW ONLY HIS PROJECTS