Snap-2-Ask

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What is Snap-2-Ask?

- Service that allows you to get your homework-related questions answered

- Simply snap a picture of your homework problem and upload it to Snap-2-Ask

- Professional tutors will do their best to provide you with an accurate answer as fast as possible

Who is it for?

- Students

  - Ask for help with homework

  - Get answers to homework-related questions

- Adults

  - Answer student questions and earn SnapCash in return

How it Works - Students

- Download the iOS application

- Login or create an account

- Snap a picture of a homework question

- Select a category for the question

- Post the question and wait for a response

How it Works - Tutors

- Visit the website www.snap2ask.com

- Login or create an account

- Optionally certify yourself in your favorite categories for added bonuses

- Browse unanswered questions and answer any that you can

Special Features - Web

- Google+ and Facebook authentication

- Server is hosted in the cloud for easy future scalability

- Dedicated domain (www.snap2ask.com)

- Google Analytics to track customer usage

- Complete RESTful API

Special Features - iOS

- Google+ and Facebook authentication

- iOS Push Notifications sent as soon as a student's question is answered

- Approved and available today in the iOS App Store

Available on the iPhone
App Store

RESTful API

- 100% RESTful compliant

- JSON input/output

- Allows for simple and easy implementations on other platforms in the future

  - Android

  - Windows Phone

- Documentation: http://docs.snap2ask.apiary.io

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Routes:

/users

/users/:id

/users/:id/questions

/users/:id/answers

/users/:id/verified_categories

/categories

/categories/:id/validation_questions

/questions

/questions/:id

/questions/:id/answers

/answers/:id

/search/questions
```
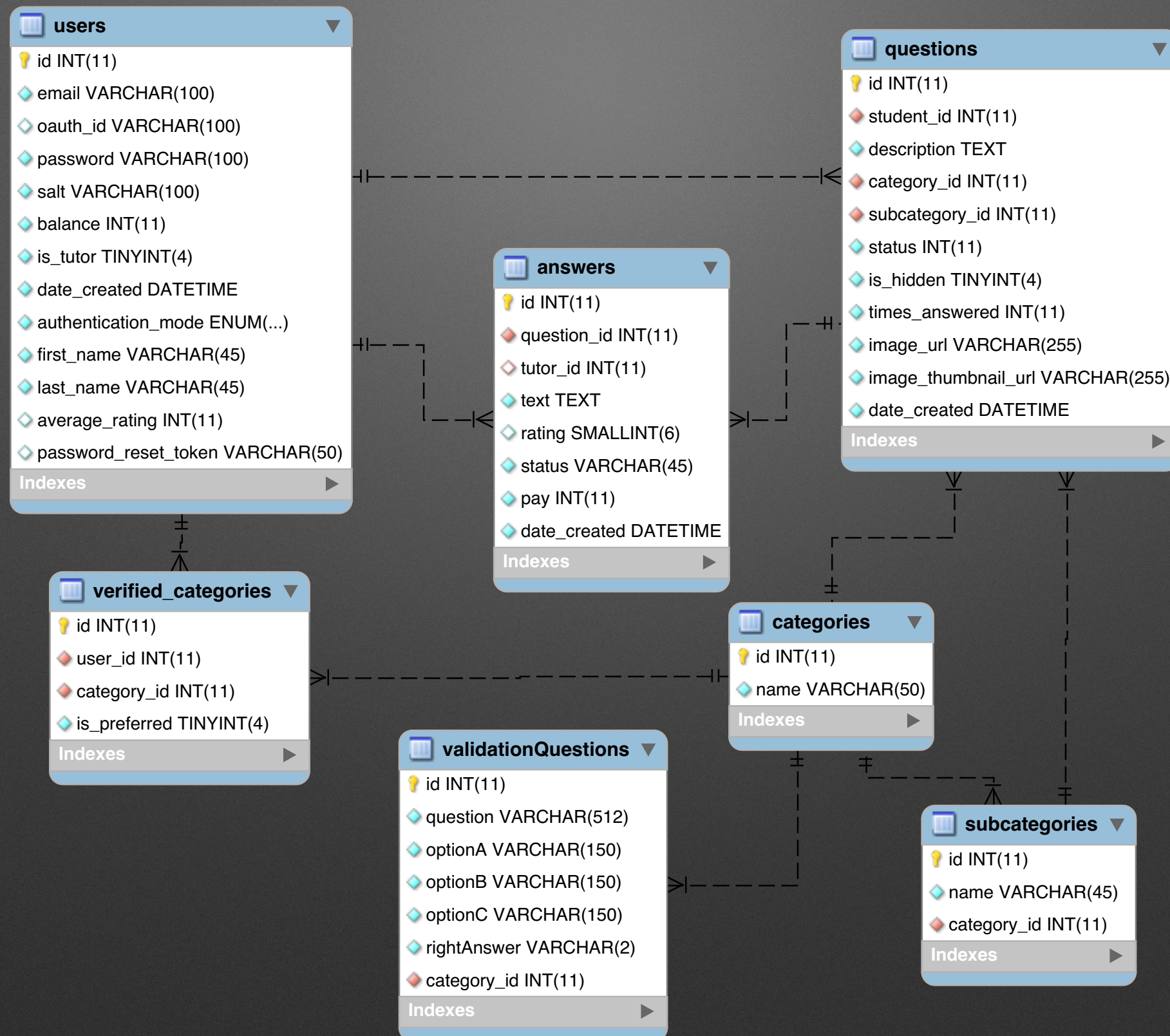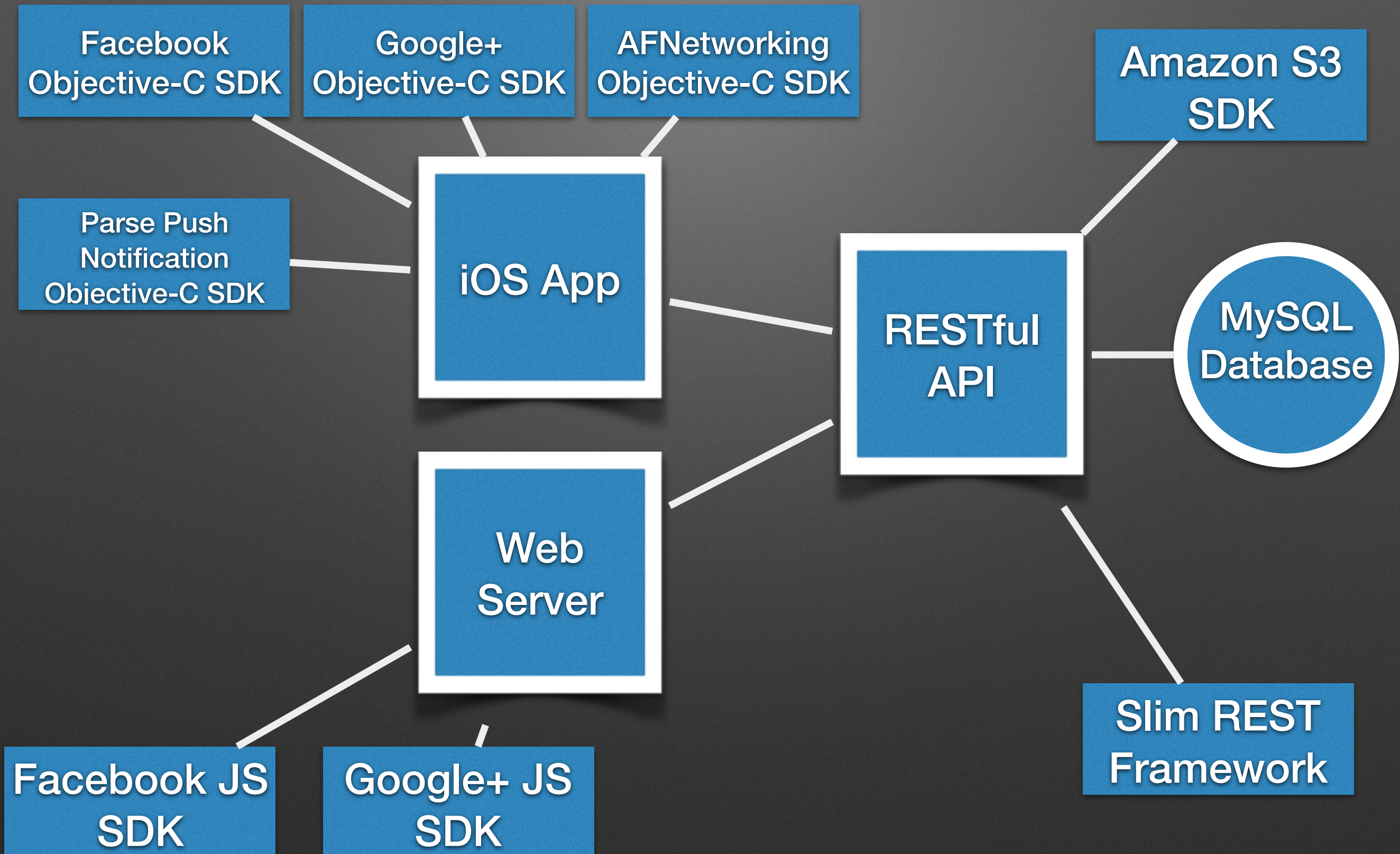
Security

- All MySQL queries are created as Prepared Statements using the PDO (PHP Data Object) Library

  - Prevents SQL injection attacks against the database

- Passwords are hashed and salted securely in the database

- Secure password reset mechanism

Database Model

users
- 🔑 id INT(11)
- ◇ email VARCHAR(100)
- ◇ oauth_id VARCHAR(100)
- ◇ password VARCHAR(100)
- ◇ salt VARCHAR(100)
- ◇ balance INT(11)
- ◇ is_tutor TINYINT(4)
- ◇ date_created DATETIME
- ◇ authentication_mode ENUM(...)
- ◇ first_name VARCHAR(45)
- ◇ last_name VARCHAR(45)
- ◇ average_rating INT(11)
- ◇ password_reset_token VARCHAR(50)
- Indexes ▶

questions
- 🔑 id INT(11)
- ◆ student_id INT(11)
- ◇ description TEXT
- ◆ category_id INT(11)
- ◆ subcategory_id INT(11)
- ◇ status INT(11)
- ◇ is_hidden TINYINT(4)
- ◇ times_answered INT(11)
- ◇ image_url VARCHAR(255)
- ◇ image_thumbnail_url VARCHAR(255)
- ◇ date_created DATETIME
- Indexes ▶

answers
- 🔑 id INT(11)
- ◆ question_id INT(11)
- ◇ tutor_id INT(11)
- ◇ text TEXT
- ◇ rating SMALLINT(6)
- ◇ status VARCHAR(45)
- ◇ pay INT(11)
- ◇ date_created DATETIME
- Indexes ▶

verified_categories
- 🔑 id INT(11)
- ◆ user_id INT(11)
- ◆ category_id INT(11)
- ◇ is_preferred TINYINT(4)
- Indexes ▶

categories
- 🔑 id INT(11)
- ◇ name VARCHAR(50)
- Indexes ▶

validationQuestions
- 🔑 id INT(11)
- ◇ question VARCHAR(512)
- ◇ optionA VARCHAR(150)
- ◇ optionB VARCHAR(150)
- ◇ optionC VARCHAR(150)
- ◇ rightAnswer VARCHAR(2)
- ◆ category_id INT(11)
- Indexes ▶

subcategories
- 🔑 id INT(11)
- ◇ name VARCHAR(45)
- ◆ category_id INT(11)
- Indexes ▶

Software Architecture Diagram

Facebook Objective-C SDK

Google+ Objective-C SDK

AFNetworking Objective-C SDK

Amazon S3 SDK

Parse Push Notification Objective-C SDK

iOS App

RESTful API

MySQL Database

Web Server

Facebook JS SDK

Google+ JS SDK

Slim REST Framework

Demo

What's Next?

- Real payment system

- Support for more mobile platforms

  - Android

  - Windows Phone

Questions or Comments?