**Entity objects**

* Notification entity
  + Notification Type
  + Description (what it is)
  + Title
  + Date
  + User (where it is going)
  + Status (boolean read unread)
* Profile question entity
  + Text (title)
  + Check box
  + True false Boolean
* Authentication token
  + User id
  + Hash
  + Date
    - Expiry date
    - Issue date
* Abuse report
  + Reason
  + Description
  + User id (reported)
  + Submission ID (whats being reported)
  + User Id (reporter)
  + Status (state diagram)
* Database(temp)
  + UNKNOWN
* Submission
  + Question
    - Title
    - Category
    - Description
    - Submission ID
    - Status (Open, answered, In review(excessive reports), Closed(inactivity or from in review or ….), Deleted(from in review)
    - User Id (asker)
    - Answers list (aggregation of question)
    - Date
  + Answer
    - Answer body
    - User id (submitting)
    - Question
    - Score
    - Date
* Users
  + ID
  + Profile data
  + Questions
  + Answers
  + State(active, inactive, banned)
  + Total score

**Boundary Objects**

* **Parent frame boundary**
  + **Header boundary**
    - Home button
    - Profile button
    - Notification button
  + **Footer boundary**
    - ABOUT button
* **Login page boundary**
  + Google authentication button (redirects to Google)
* **Home page boundary**
  + Ask button
  + View button (views previous/recent questions)
* **Notification page boundary**
  + Answers for you drop down list box
  + Questions for you dropdown list box
* **Submission page boundary**
  + Title text box
  + Description text box
  + Formatting control
  + Submit button
* **View topics page boundary**
  + List view Boundary
* **View question page boundary**
  + Question card
    - Report button
  + Answer card
    - Report button
* **Profile page boundary**
  + Info card
  + Settings screen

**Control objects**

* **Asking a question**
  + Question control
* **Answer a question**
  + Answer control
* **Check a question**
  + Checking control
* **Login and setup**
  + Login control
* **Check notifications**
  + Notification control
* **Distribute a question**
  + Distribution control
* **Push an answer**
  + Pushing control
* **Update profile**
  + Updating control
* **Reporting a question**
  + Reporting control
* **Connection Down**
  + Down control

Usecase Asking a question

title Asking a Question

Curious User-> Homepage Boundary : Press ask question button

Homepage Boundary -> Question Control : Create Question

Question Control -> Submission Page Boundary: Set active page

Curious User -> Submission Page Boundary: View

Curious User -> Submission Page Boundary : Fill in info

Curious User -> Submission Page Boundary : Press submit

Submission Page Boundary -> Question Control : Fill Question

Question Control -> Server Control : Submit Question

Server Control -> Application Server : submit data

Answering a question

Experienced User -> Answer Boundary : View question

Experienced User -> Answer Boundary : Press answer button

Answer Boundary -> Answer Control : Create Answer

Answer Control -> Answer Boundary : Set Up Answer page

Experienced User -> Answer Boundary : View

Experienced User -> Answer Boundary : Type in Answer

Experienced User -> Answer Boundary : Press submit

Answer Boundary -> Answer Control : Update Data

Answer Control -> Server Control: Submit answer

Server Control -> Application Server : Send to Server

Check a Question

Title Check a Question

Curious User -> View Question Page Boundary : View

Curious User -> View Question Page Boundary : Select a question

View Question Page Boundary -> Server Control : Create Request

Server Control -> Application Server : Send request

Application Server -> Server Control : Send Questions and Answers

Server Control -> View Question Page Boundary : Send Questions and Answers

Server Control -> View Question Page Boundary : Update Screen

Curious User -> View Question Page Boundary : View

Curious User -> View Question Page Boundary : Press Satisfactory

View Question Page Boundary -> Server Control : Send Satisfactory Answer

Server Control -> Application Server : Update Answers

System Down

Title Connection Down

User -> Boundary : Attempt Network Activity

Boundary -> Control : Request Network Activity

Control -> Server Control : Send request

Server Control -> Application Server: Request Response

Server Control -> Control : Update Connection Failed

Control -> Boundary : Display "Could not connect to server"

User-> Boundary : View

User-> Home Page Boundary : Return to home page

Title Update Profile

User -> Header Boundary : Presses Profile Button

Header Boundary -> Updating Control : Create Update

Updating Control -> Server Control : Request Updates

Server Control -> Application Server : Request Profile

Application Server -> Server Control : Return Profile

Server Control -> Updating Control : Return Updates

Updating Control -> Profile Page Boundary : Display profile

User -> Profile Page Boundary : View

User -> Profile Page Boundary : Presses Update Academics

Profile Page Boundary -> Updating Control : Request academics

Updating Control -> Profile Page Boundary : Display Academics

User -> Profile Page Boundary : View

User -> Profile Page Boundary : Enter Information

User -> Profile Page Boundary : Press submit

Profile Page Boundary -> Update Control : Send update info

Update Control -> Server Control : Send Update

Server Control -> Application Server : Update Records

Application Server -> Server Control : Confirm

Server Control -> Updating Control : Confirm

Updating Control -> Profile Page Boundary : Display "Thank You"

User -> Profile Page Boundary: View

User -> Header Boundary : User Presses Home