HeardMentality.org

High Level Requirements & Design
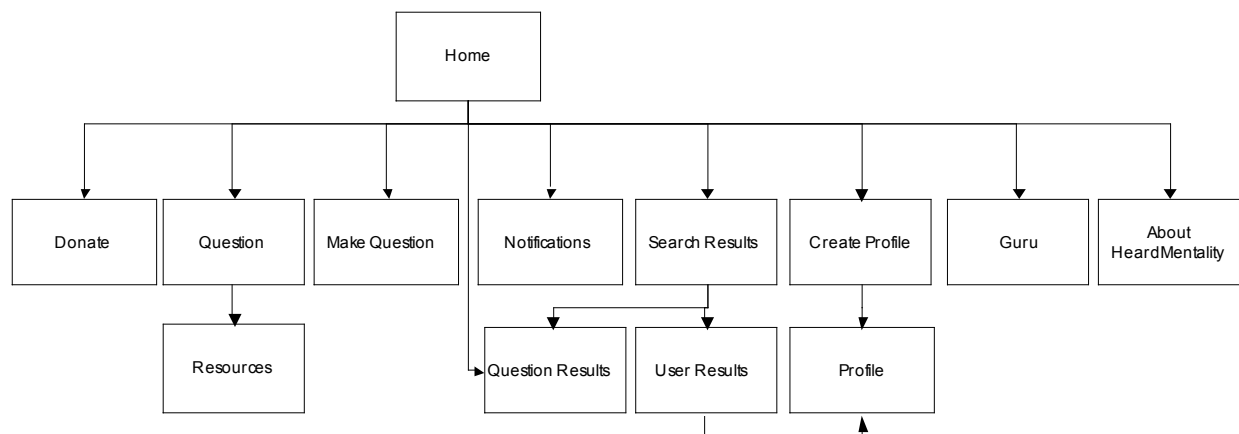
Table of Contents

PAGES

- The pages for this website include panels where different content is loaded into the parent panel (component) and the child panels are dynamically refreshed based on the user selection.
- The panels can be resized and the contents of the panels adjust to the size of the panel.
- The page always loads with the panels with a reset and default frame dimensions (same as Google Wave dimensions).
- Some pages have the dimensions reversed and some pages only have 2 panels. Transitions between these pages will animate the movement of the panel boarders to the new pages default dimentions.
- Use the following UI framework: http://mochaui.com/demo/ or http://www.joomlicious.com/ext-mootools-adapter/ - http://drupal.org/project/ext
- All pages will have a standard header (navigation and login) and footer (Creative Commons, Open Source badges, etc)
- Progress spinner javascript function while page elements reload (lists, question panel)
- Some pages will load as a lightbox above the panels. These pages will be noted.
- Some pages will have popups. Use mochaui popups.

USER

Categories	Add a Question	Cloud	Guru	About

User Name
Password
Log in

Search   ○ Question   ○ User

1   **1A**

Category ▼   Sub Category ▼

Top Questions

Enter Text   **5A**

Hot Questions

Enter Text   **5A**

Local

Enter Text   **5B**

Share / Save

Random Question   (or selected question from left   )?

○ Answer 1
○ Answer 2

1B | ntage | Over Time | By Area |

○ Gender ○ Age ○ Other ▼

Answer 1   43%

Answer 2   57%

104 comments   8 posted resources

XXX Users Worldwide
XXX Questions
XXX Answers

News

7   **12**

- URL: www.heardmentality.org (redirect www.heardmentality.com)
- User can dynamically refine lists by category, When category is chosen, subcategory becomes enabled and loads dynamically
- Map of User Locations and User Count, Question Count and Answers. Zoom into Google map (top right)
- If the user is logged in subset of notifications displays in the bottom right. If clicked on notification item, go to notification page.
    - Display notification origin and notification text (no user pic)
- If not logged in, then Heard Mentality news (i.e. any article or blog posted by the admin – internal or external link)
- When clicking on question in lists, it will dynamically load the center question panel.

- URL: search.heardmentality.org/*search+terms*
- Dynamically load question panel on question selection
- The Search Results panel will continue beyond the bottom of the page, and the two panels on either side will slide down with the rest of the page.
- This will be the same behavior as if the user selects a category from the drop down. The user can then continually narrow.
- User is directed to this page after a Question Search or by selecting a Category or Subcategory from the Category page.

ABOUT HEARDMENTALITY

- URL: about.heardmentality. org/*page*
- Lightbox
- Static pages with info to be provided
    o About
    o Question and Answer Guidelines
    o Badges and Points and Privileges
    o FAQ
    o Thanks and Donate

DONATE

- URL: donate.heardmentality.org
- Lightbox
- Copy Wikipedia: http://wikimediafoundation.org/wiki/Support_Wikipedia/en
- Show financial statements

QUESTION
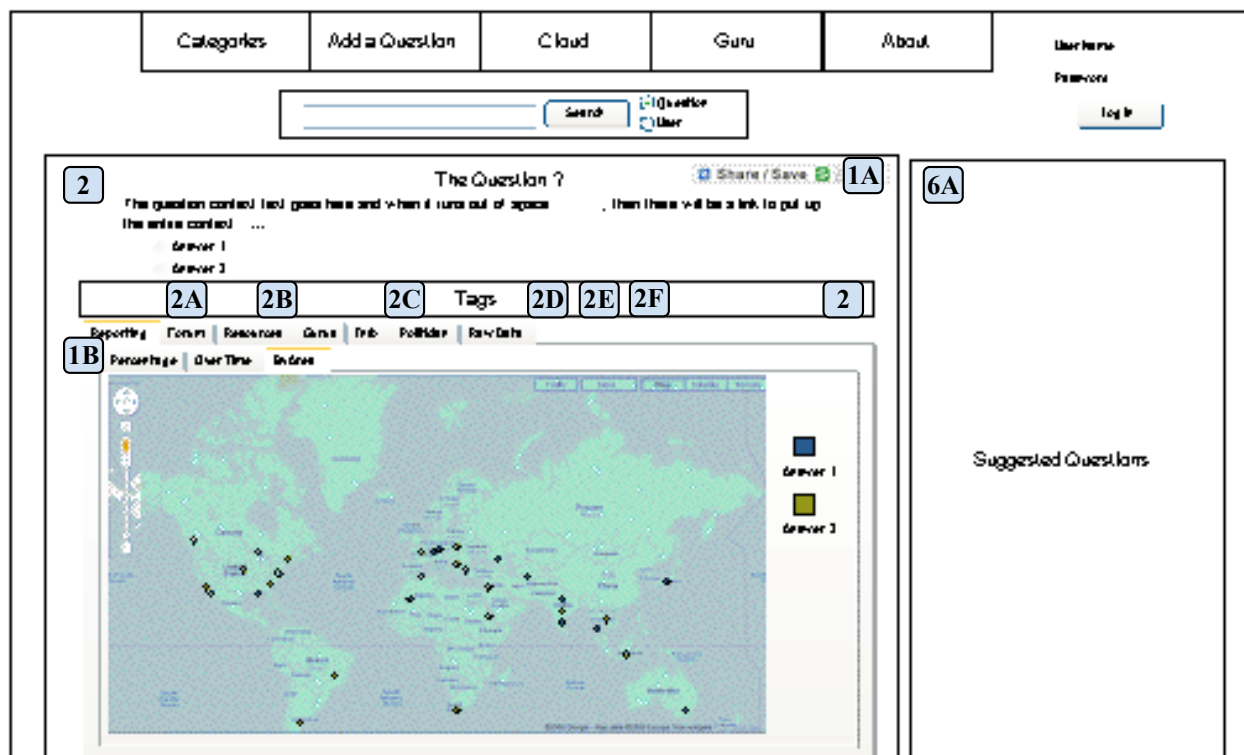
- URL: question.heardmentality.org/questiontext

MAKE QUESTION

- URL: new.heardmentality.org
- This should maybe be done as a wizard
- Look for dupe questions after first screen (i.e. question and answers), if identified as dupe and user continues, flag for double check by admin with accompanying suspected dupes.
- Allow users to enter the required question fields and enable make question use case.

Question	Text entry of the question
Context	Any more descriptive text. Not required.
Answers	Each possible answer. 2 required
Categories	Starting from left, user selects top level categories, and the next list populates with sub categories etc. Multiple select is allowed.
Regions	Starting from left, user selects top level region (NA, Asia, EU,etc) and the next list populates with sub categories etc. Region will include all lower levels if non selected. (i.e if USA is region then all states under are associated)
Restrictions	End Date. Others?
Suggested Tags	This will suggest tags based on key words in question, context and answer crossed with other tags in selected categories (if possible). User then clicks on the tag to activate the tag and can then click off.

PROFILE

- URL: search.heardmentality.org/profile/*username*
- Display all known attributes
- Display all questions created
- Display all questions answered
- Display Following
- Display Followers
- If user clicks on Follower or Followee boxes, then load the follow list into the Profile Search Results page.
- Enable profile privacy (i.e. hide fields if user doesn't want to share)
- Button or Link to take the user to his notification page

CREATE PROFILE
- URL: profile.heardmentality.org
- Enable Create Profile use case
- Basic form with all profile fields
- Users can choose to hide whatever they want – anonymity (i.e. hide fields if user doesn't want to share)
- Check uniqueness of the username immediately after entering it.
- When postal/zipcode is entered, populate the rest of the region data.
- Updates to profile are done here too

USER SEARCH RESULTS

Categories	Add a Question	Cloud	Guru	About

User Name
Password
Log in

Search ⊖ Question ○ User

Refine By **8B**

Categories (1)

Search results

Profile Info **7** **10**

Pic **4**

Bio

Links

Location

Global
Country
State
City

Followers

Following **10**

- URL: search.heardmentality.org/user+*search+terms*
- When Profile is selected, dynamically load the profile in the right panel.
- The Location refinement dropdowns are dynamic and live in a separate panel
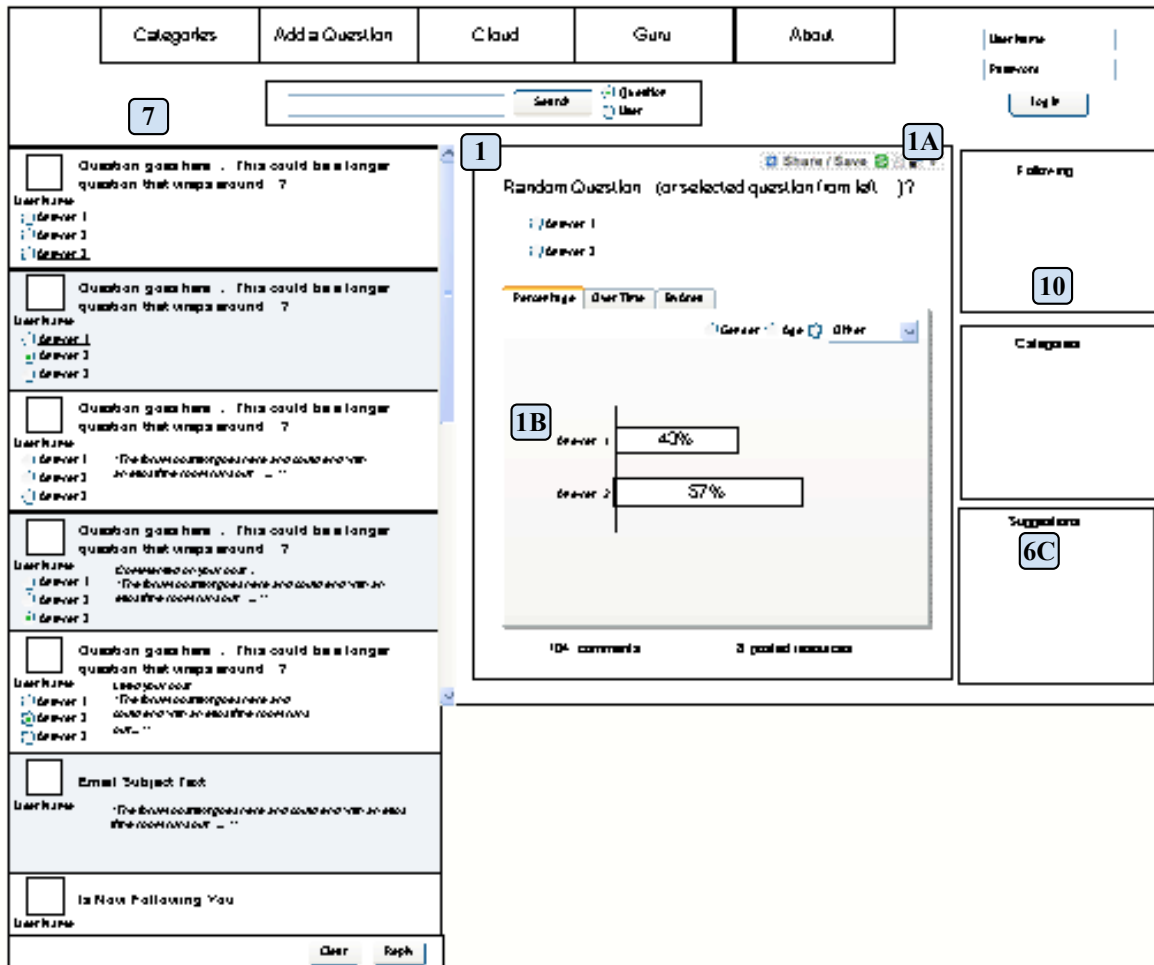
- URL: notify.heardmentality.org/*username*
- User is directed to the Notification page either from the Home Page (click on Notification – bottom right) or from a link on the user's Profile page (for both the user must be logged in)
- When the user selects a notification on the left, the source node of the notification is loaded in the middle panel
- If user votes or clears the notifications, then remove the notification from the list
- If user selects reply, then launch internal email/message popup.

GURU

Categories	Add a Question	Cloud	Guru	About

User Name

Password

Search ⊙ Question ○ User

Log in

| Category ▾ | Sub Category ▾ |

Enter Text

5C

4   Profile Info   **7** **10**

Pic

Following

10

Bio

Links

Followers

History   **11**

- URL: guru.heardmentality.org
- User can refine list box on the right to find guru by category/subcategory.
- When the user name is selected in the list on the left, the right side of the page is dynamically loaded.

ADMIN

Admin

Moderate

Manage Politian

New Question

Flagged
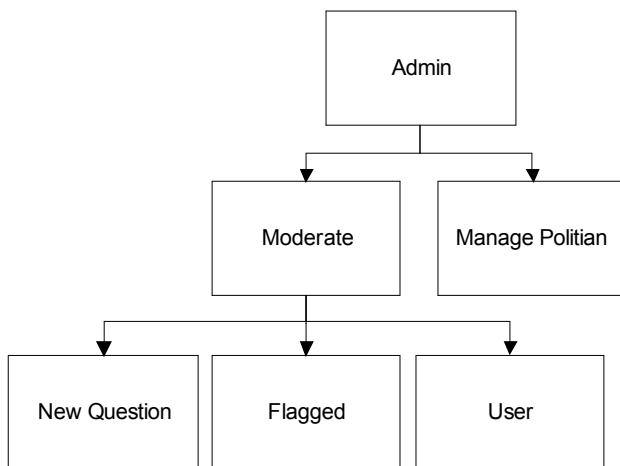
User

MODERATE NEW QUESTION

- URL: moderate.heardmentality.org
- When page loads, load the top item in the list on the left in the panel on the left
- If user presses Approve, then remove the question from the list and load the following question.
- If user presses Reject, then remove the question from the list and delete the question from the database and load a message box to send message author a message/email. Then load the next question in the list in the panel on the right.
- If user modifies the question in the right panel and presses save modification, then save the changes to the question, remove the question from the list, load a message box to send message author a message/email and then move to the next question on the list.
- If user presses the Possible Dupe link, pop with possible duplicate questions.

- URL: moderate.heardmentality.org
- When page loads, load the top item in the list on the left in the panel on the left
- When the item on the left loads, then popup with Flag Message.
- If user presses Ignore, then remove the question from the list and load the following question.
- If user presses Reject, then remove the item from the list and delete the node from the database and load a message box to send message author a message/email. Then load the next item in the list in the panel on the right.
- Display all flags in a chronological list that hyperlinks to each task

MODERATE USER

- URL: moderate.heardmentality.org
- When page loads, load the top item in the list on the two panels on the left.
- When the user selects an item from the History (in the middle panel), then load the node in the panel on the far left.
- If user presses Ignore, then remove the question from the list and load the following question.
- If user presses Block, then remove the item from the list, and block the user from logging in to the site. On attempted login, advise the account is blocked for X days. Then load the next item in the list in the panel on the right.
- If user presses the Warning button, launch a message box to send the user a warning message.

MANAGE POLITICIAN

- Ability to create dummy users that have the profile type of Politician (other profile type is regular) – A feature automate this from the RSS feeds might be nice but not required.
- Ability to assign real votes in Congress that the "Real" Politian made on a bill. Ideally this would be automated by the RSS feed that contains the vote (see RSS Feeds)
- Ability to merge the "Real" Politician with the Dummy Politician user. This occurs when the "Real" Politician becomes a user of Heard Mentality. The merging and verification that this is really the Politician will be a manual process by the admin.
- If the Politician has merged his account, then his votes will be displayed in the Politician tab of the Full Question component.

COMPONENTS

- Components are page blocks or panels on a page similar to how Google Wave has different panels.
- A page is composed of multiple components.
- The components can be reused on multiple pages.

HEADER

Description	
- Header of each page - Contains the following elements: ○ Navigation Buttons: ▪ Home ▪ Categories • Second Level Navigation dropdown of Category names ▪ Add a Question ▪ Guru ▪ Cloud (maybe) ▪ About • Second Level Navigation dropdown ▪ Moderate (for Moderators) ○ User Credentials ▪ If anonymous user – show OpenID sign in ▪ If logged in, show username and display notification alert (and maybe wave updates alert) and privacy ○ Search ▪ Profile or Question Radio Buttons ▪ With suggest – suggest will be populated with index of question, categories and tags ○ Website Tour Button - http://amberjack.org/ ○ Logo (link to home)	
Interactions	
Home	
Question Search Results	Load form Category and Search
Profile Search Results	
About	
Notifications	
Profile	
Categories	Store in Search Suggest
Question	Store in Search Suggest
Tags	Store in Search Suggest
Mockup	

Dimensions TBD	
Constructors	
Always	
Methods	
LogIn	OpenID…copy: http://stackoverflow.com/users/login?returnurl=/ Lightbox
Privacy	

1 QUESTION LITE

Description
• Basic display of question and possible answers • Contains answers as radio buttons • Randomize the order of Possible Answers • Displays count of total answers and total forum posts • Can be implemented as a mashup (iframe in external site) and iGoogle
Interactions

Reports	For each instance of question, create Reports
Question Full	When Question Text is selected, Construct Question Full

Mockup	

Question Text?   🟦 Share / Save 🔁 ⬚ ▪ ↕

🔘 Answer 1

🔘 Answer 2

    104 Comments   8 Resources

***Question Text Loads into the Header of the panel

Inheritance	
Voting API	http://drupal.org/project/votingapi
Translate API	http://code.google.com/intl/en/apis/ajaxlanguage/
Embed widgets	http://drupal.org/project/embed_widgets
ArrayShift	http://drupal.org/project/arrayshift

Fields	
QuestionText	Basic question text
PossibleAnswers	Text for the radio button answers (>2)

Constructors	
Home Page	When the home page loads
Question Search Results	When a question is selected from the search results
Notification	When a notification is selected from the notification list

Methods	
DetermineUserAnswer(UserID)	Finds the users previous answer or null and then set the radio button to the value
ConstructFullQuestion(QuestionID,SectionOfQ)	Build the full question – open Full
AnswerQuestion(Answer, UserID, QuestionID)	User selects radio button, store in DB
ChangeAnswer(Answer, UserID, QuestionID)	User changes previous answer store new entry in the DB Flag the previous answer as changes
WithdrawAnswer()	Remove the users previous answer Flag the previous answer as changed
GetTranslated(QuestionText, Answers)	Translate text into user language
VoteUpDown()	
SocialBookmark()	
Invite()	
SuggestAnswer()	Display all other suggested answers with the option to vote for already suggested answer, or to enter free text of a new suggested answer. Remember and display the user's previous suggested answer. Do not allow the user to answer a question if he has suggested a new answer. Allow user to change the answer. When the suggested answer votes reaches X% of the total answers, then suggested answer becomes an answer with all of the votes associated. Send a notification to those suggesting and question author.

CreateMashup()	Similar to Google Maps, allow user to generate a link to a mashup of the question. Maybe allow custom sizing and style sheets

1A ACTIONS DROPDOWN

The following actions are available from a small drop down menu:

1. **Withdraw answer**: Remove the users answer. Not visible if the user has not voted on this question
2. **Invite**: *See Invite below*
3. **Flag**: *See Flag below*
4. **Suggest New Answer**: Display all other suggested answers with the option to vote for already suggested answer, or to enter free text of a new suggested answer. Remember and display the user's previous suggested answer. Do not allow the user to answer a question if he has suggested a new answer. Allow user to change the answer. When the suggested answer votes reaches X% of the total answers, then suggested answer becomes an answer with all of the votes associated. Send a notification to those suggesting and question author.
5. **Create Mashup**: Similar to Google Maps, allow user to generate a link to a mashup of the question. Maybe allow custom sizing and style sheets.

This will be implemented as a button on the footer of a panel where click will open a drop down

1B REPORTS
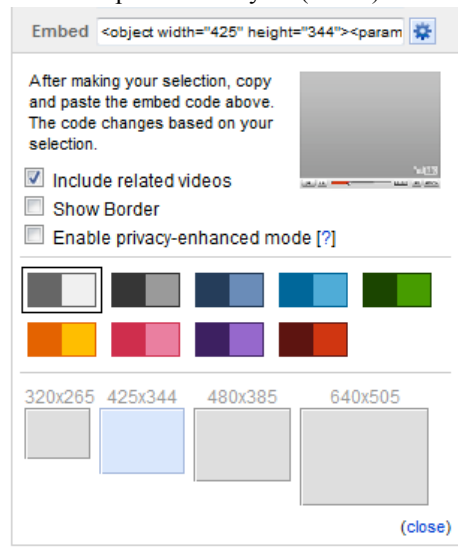
Description		
There are 3 different reports/charts available displayed on separate tabs:		

Tab	Description	Refinements
Percentage	Bar Chart: Shows as a percent of. When refined, shades are created within the bar to show internal percentages. Only one refinement possible	Gender, Age, Religion, Ethnicity, Slant,
Time Sequence	Line Chart: Showing the number of votes over time for each answer of the question. Scale the time axis (X axis) to fill the space. If new answers are added to the question while active, should still work. Net votes, therefore if someone changes their answer, then it subtracts from one and adds to the other.	None
By Area	Map: Map showing points on map where votes came from. Google Maps API could be really cool here!	User can hide answers. User can drill down as far as possible into the map.

Interactions	
Question	Get user answers from question
Mockup	

Percentage | Over Time | By Area

◯ Gender ◯ Age ◯ | Other ▾

Answer 1 | 43%

Answer 2 | 57%

Percentage | Over Time | By Area

Zoom: 1d 5d 1m 3m 6m 1y Max Sold Pencils 33.32 k ● Sold Pens 39.46 k | February 06, 2008

80 k
60 k
40 k
20 k
0

eb 1 | Sat Feb 2 | Sun Feb 3 | Mon Feb 4 | Tue Feb 5 | Wed

| Percentage | Over Time | By Area |

■ Answer 1

■ Answer 2

Legend will load when refinements are chosen. Display refinement info. Line Graphs use same colors for each answer. Unknown user refinement required (i.e. user has not completed the profile attribute)

Tabs load into the Header of the panel

Inheritance	
Bar Chart	http://code.google.com/intl/en/apis/visualization/documentation/gallery/barchart.html
Line Chart	http://code.google.com/intl/en/apis/visualization/documentation/gallery/annotatedtimeline.html
Map	http://code.google.com/intl/en/apis/visualization/documentation/gallery/map.html
Fields	
AnswerID	ID of the Possible Answer
AnswerText	Text of the Possible Answer
UserAnswers	AnswerID of the all User's Answer/Vote
AnswerTimeStamp	Time stamp of the User's Answer/Vote
DOB	DOB of the User
Gender	Gender of the User
Zip/Postal Code	Zip/Postal Code of the User
Religion	Religion of the User
Ethnicity	Ethnicity of the User
Slant	Slant of the User
IPAddress	IP Address where vote came from
Changed	Flag to indicate if the users has changed this answer. Used for counting
Constructors	
Question	When the question loads, build the reports
Methods	
RefineResults	For the bar chart, ability to refine by user profile traits – API
AdjustTimeRange	For the line chart, ability to refine time – API
ZoomMap	Ability to use Google Maps zoom functionality
LightBox	Open the reports as a LightBox (or Maybe a popup TBD)

2 QUESTION FULL

Description
Question Full Inherits all functionality from Question Lite and then adds advanced features. The advanced features include:

- 2A - Forum/Wave
- 2B – Resources
- 2C – Question Guru
- 2D – Raw Data
- 2E – Question Information
- 2F – Politian
- 2G – Tags

Interactions	
Question Lite	Load when Question Lite tells it to

Mockup

<div align="center">

The Question ?

Share / Save

The question context text goes here and when it runs out of space   , then there will be a link to put up the entire context ...

   ◯ Answer 1
   ◯ Answer 2

Tags

</div>

***Question Text Loads into the Header of the panel*

Inheritance	
QuestionLite	Inherit everything from Question Lite
Reports	Inherit everything from Reports
Google AJAX Language API	http://code.google.com/intl/en/apis/ajaxlanguage/
Embed widgets	http://drupal.org/project/embed_widgets

Fields (All Inherited)	
QuestionText	Basic question text
PossibleAnswers	Text for the radio button answers (>2)
UserAnswer	Question knows how the current user answered this question
QuestionContext	*Not Inherited – Context Text from question
AnswerID	ID of the Possible Answer
AnswerText	Text of the Possible Answer
UserAnswers	AnswerID of the each User's Answer/Vote
AnswerTimeStamp	Time stamp of the User's Answer/Vote
DOB	DOB of the User
Gender	Gender of the User
Zip/Postal Code	Zip/Postal Code of the User
Religion	Religion of the User
Ethnicity	Ethnicity of the User
Slant	Slant of the User
IPAddress	IP Address where vote came from
Changed	Flag to indicate if the users has changed this answer. Used for counting
Location	Which section of the QuestionFull to load (if users selects forum – load forum)

Constructors

QuestionLite	Load when QuestionLite tells it to
Methods (All inherited)	
DetermineUserAnswer(UserID)	Finds the users previous answer or null
ConstructFullQuestion(QuestionID,SectionOfQ)	Build the full question
AnswerQuestion(Answer, UserID, QuestionID)	User selects radio button, store in DB
ChangeAnswer(Answer, UserID, QuestionID)	User changes previous answer
WithdrawAnswer()	
GetTranslated(QuestionText, Answers)	Translate text into user language – Google API
VoteUpDown()	
Flag()	
SocialBookmark()	http://net.tutsplus.com/tutorials/javascript-ajax/drag-to-share/
Invite()	
SuggestAnswer()	Display all other suggested answers with the option to vote for already suggested answer, or to enter free text of a new suggested answer. Remember and display the user's previous suggested answer. Do not allow the user to answer a question if he has suggested a new answer. Allow user to change the answer. When the suggested answer votes reaches X% of the total answers, then suggested answer becomes an answer with all of the votes associated. Send a notification to those suggesting and question author.
CreateMashup()	Similar to Google Maps, allow user to generate a link to a mashup of the question. Maybe allow custom sizing and style sheets. See how YouTube does this with predefined styles (colors) and sizes.
RefineResults	For the bar chart, ability to refine by user profile traits – API
AdjustTimeRange	For the line chart, ability to refine time – API
ZoomMap	Ability to use Google Maps zoom functionality
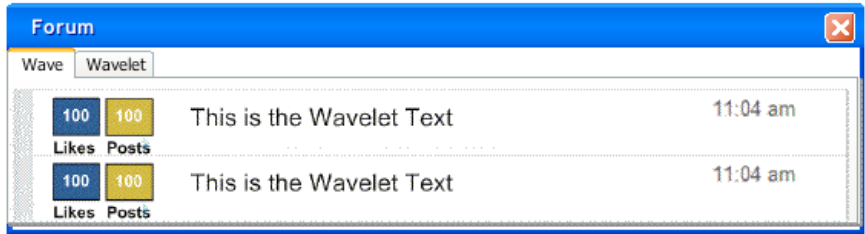
Description	
- Create a Wave for each question, resource, news. - When user is viewing the forum/wave, only the wave view shows and not the wavelets. - Do not display the followers of the wave or wavelet on the display - Wavelets load in a resizable popup. - User can only reply to wavelets. No edit possible - Private Reply is enabled - Show the date/time of the post of the wavelets and replies - Playback is enabled - Search is enabled within that wave only (I.e. not across other question or resource waves) - Profile Badge is inserted on the wavelet and replies (if possible, otherwise just the pic and hover for username) http://www.hotajax.org/content/view/213/420/	

Interactions	
QuestionFull	Load by Question when QuestionFull Loads
Profile	Load by Logged In user when Profile Loads
Resources	Load by Resources when QuestionFull Loads
HeardNews	
Privilege	Check User privileges before he can post to forum
Like	This might be tricky.. we need the like functionality on the wavelet and on each reply.
Flag	This might be tricky.. we need the flag functionality on the wavelet and on each reply.

Mockup

Inbox 1 - 12 of 12

New wave | in:inbox

Follow | Unfollow | Archive | Inbox | Spam | Read | ...

100	100	This is the Wavelet Text	11:04 am
Likes	Posts		
100	100	This is the Wavelet Text	11:04 am
Likes	Posts		
100	100	This is the Wavelet Text	11:04 am
Likes	Posts		

See: https://wave.google.com/wave/ (If you require an invite, please let us know)
The wave is loaded into the mochaui panel and the wavelets load into a popup.

Inheritance	
Drupal Wave	http://drupal.org/project/wave
Google Wave API	http://code.google.com/intl/en/apis/wave/
UserBadge	Badge that displays UserName, Pic, BadgesEarned, PointsEarned
UserVote	Display Forum Posters current vote/answer
Fields	
ThreadPoints	From VoteUp/Down
Tags	QuestionID, ResourceID, UserID
Constructors	
Load when Forum Tab of Question is clicked	
Load when Forum Tab of Resources is clicked	
Load when Forum Tab of News is clicked	
Methods	
VoteUp/Down(ThreadID, UserID, CategoryIDs)	
DetermineUserAnswer(UserID)	Finds the users vote/answer or null and adds it to the ProfileBadge
SortBy	Able to sort by: Date, Activity, VoteUps
Other Wave Stuff	

2B RESOURCES

Description	
- Resources have the following categories (resource categories are unrelated to question category) : - In the News – Links to website (news site, blog, etc) - Multimedia – Links to video sites, podcasts, etc - Facts – Links to websites - No actual uploading or hosting of media, use scribd, blip.tv, vodpod? apis - Lite and Full Version of resources: Lite Loads in Full Question, Full Loads on own page	
Interactions	
ResourceFull	When Resource is Selected, load Resource Full
Privilege	Check User privileges before he can post a resource
Forum/Wave	
Mockup	

- Display the links title and teasers (similar to Facebook functionality)
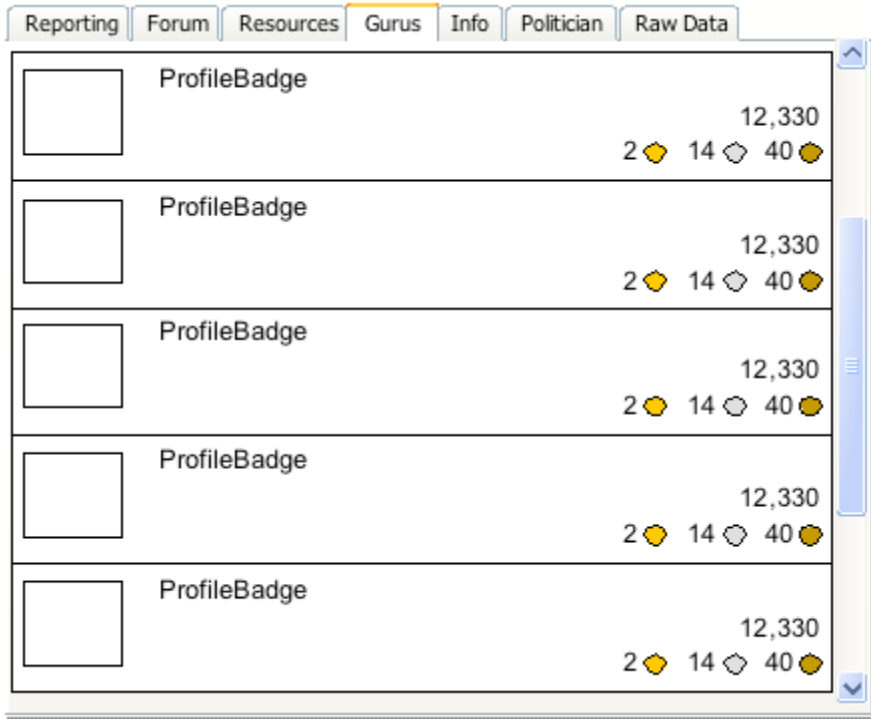
- Display Wave and Wavelet in popups in tabs.
- If a new wavelet is selected from the wave list, refresh the tab

Inheritance	
Video Filter	http://drupal.org/project/video_filter
Uploaded Files Mover	http://drupal.org/project/uploadedfilesmover
YouTube	http://code.google.com/intl/en/apis/youtube/overview.html YouTube Direct
Scribd	http://www.scribd.com/developers
Fields	
Classification (AnswerID, Text)	Towards which possible answers or neutral (default)
URL	Link to the Resource
Headline	Headline of the Resource
Details	Details of the Resource
Constructors	
ResourceTabPress	When the user selects the resource tab, build resources lite
ResourceFull	When a resource is selected, load ResourceFull
Methods	
SortBy()	Able to sort by: Date, ForumActivity, VoteUps
LaunchLinks()	Launch links in new windows similar to facebook and insert wave at the bottom
LaunchMedia	Launch Media in new windows similar to facebook and insert wave at the bottom (Lightbox)
VoteUp/Down(ThreadID, UserID, CategoryIDs)	

Flag()	
AddLink(Link, QuestionID, UserID, Classification)	Popup window that allows user to past link into field
AddMedia(Link, QuestionID, UserID, Classification)	Popup window that allows the user to indicate if it is a Document (PDF, Doc, PPT) or a Video or Podcast/Audio If Document – launch Scribd API If Video – Launch YouTube API If Audio launch…..? Note: we don't want to host any content.
Share	http://net.tutsplus.com/tutorials/javascript-ajax/drag-to-share/
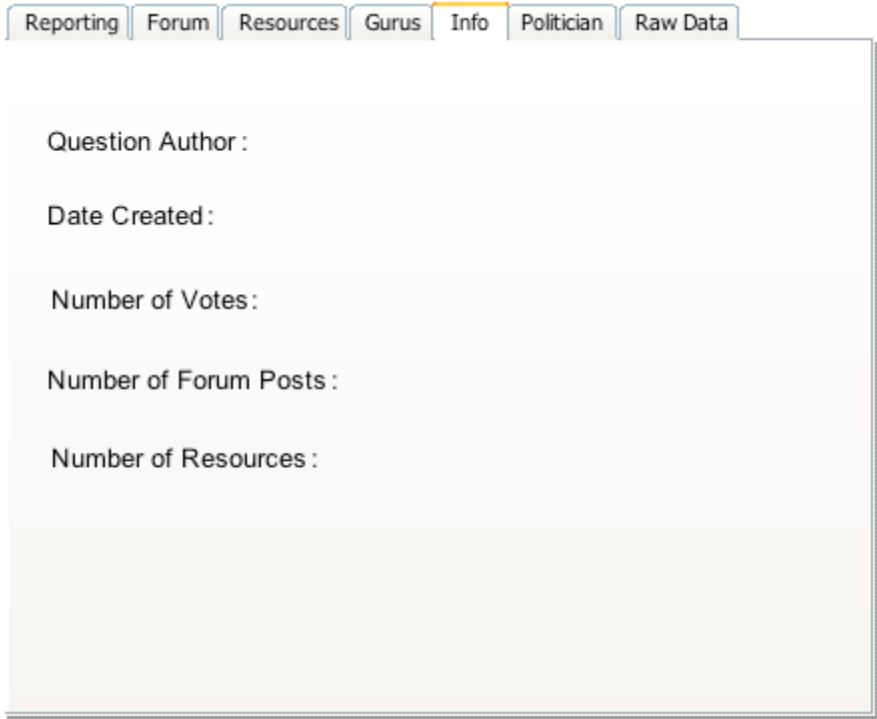
Description
• Display User Profile Badges sorted by likes on question.
• After no more likes, display users who have posted to forum and resources by sorted by post date (new first)
• When selected user, display the users question history.
• Link also available to link to user profile.

Interactions	
QuestionFull	Load when Question Full loads

Mockup	

Inheritance	
Forum/Wave	Retrieve VoteUps from wave postings (from current question)
Resources	Retrieve VoteUps from resource postings (from current question)
ProfileBadge	Guru's Profile Badge
UserPoints	Guru's Total Points

Fields		

Constructors	
GuruTabPress	When the user selects the guru tab, build QuestionGuru

Methods	
CalculateVoteUps (WavePoints, ResourcePoints)	Calculate Question VoteUps
OpenGuruProfile(ProfileID)	When the user clicks the gurus badge, load the profile of the guru

2D RAW DATA TAB

Description
• Allow the user to select the fields he wishes to download (Profile Dimensions, Time Dimensions) • Do not export the user id, only the data and time stamps • Upload as CSV with User Friendly column names • Phase 2 maybe… (Display coming soon)

Interactions	

Mockup

Inheritance

Fields	

Constructors

Methods

2E QUESTION INFORMATION

Description	
• Displays basic information about the question: creator, date of creation, category – subcategories • Statistics about the activity on this question	
Interactions	
QuestionFull	
Forum/Wave	Determine how many posts
Resources	Determine how many resources
Mockup	

Inheritance	
Fields	
Author	User who created the question
DateCreated	
NumOfVotes	
NumOfPosts	
NumOfResources	
Constructors	
InfoTabPress	When the user selects the information tab, build QuestionInformation
Methods	
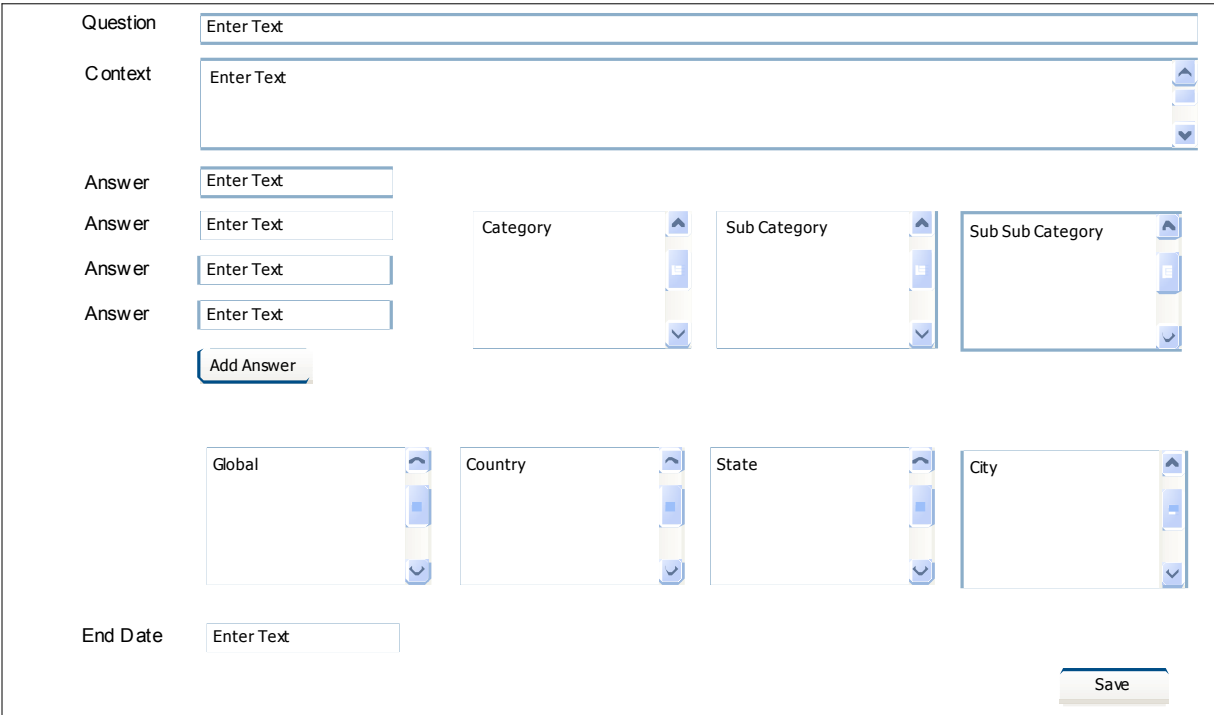
2F POLITIAN TAB

Description
- This view lists the how the politicians (dummy or real users) voted on the question with summary statistics at the top of the list.   - The Politian user is a dummy user account unless the Politian has linked it to their real profile (manual verification process)   - If the Politian has validated and merged his account, then report how politicians voted on each question   - Politician votes can be imported in Answer table from the RSS feeds.   - Sort politicians results by alpha.   - Refinable by: - Location: Region, country, state/province, city   - Level : Federal, State/Provincial, County, Municipal

Interactions	
QuestionFull	
RSS Feeds	Populated by RSS feed

Mockup	

Inheritance	

Fields	

Constructors	

Methods	
InvitePolitician	

2G TAGS
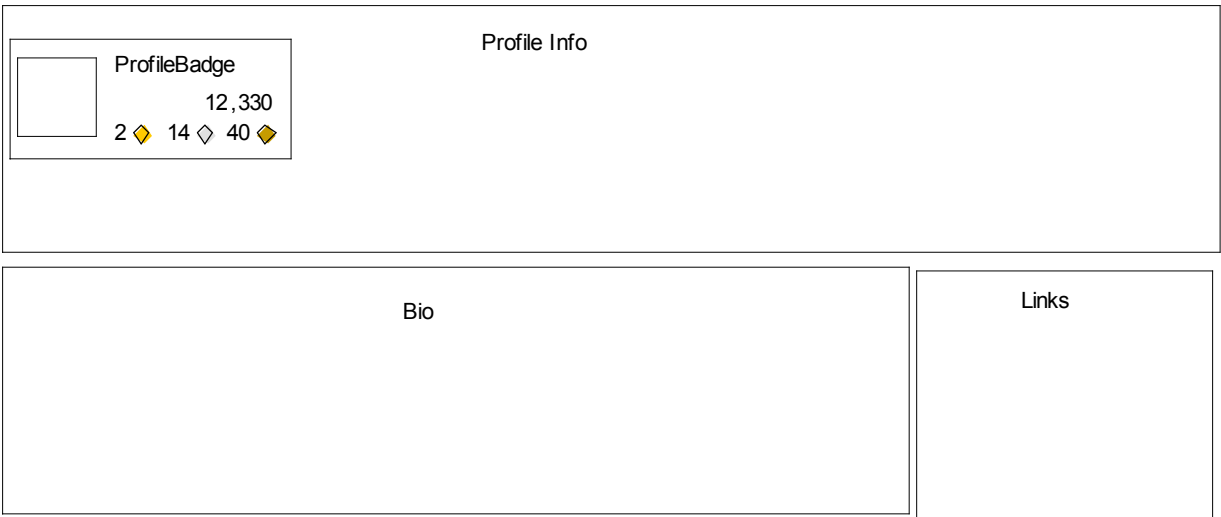
Description	
•	
Interactions	
Mockup	
track php javascript click jquery	
Inheritance	
Tagging	http://drupal.org/project/tagging
Fields	
Constructors	
Methods	
InvitePolitician	

3 CREATE QUESTION

Description
- Form for data input with all of the question attribute fields   - When used in Moderator, populate form with question data. If the moderator updates and saves, then overwrite existing question data.

Interactions	
CreateQuestion	
ModerateQuestion	
Privilege	Check user privileges before Creating Question

Mockup

Inheritance
Moderate Inherits Creates data

Fields	
QuestionText	
QuestionContext	
PossibleAnswers	Array
SuggestedNewPossibleAnswer	Array
Categoies	Array
Location	Array
EndDate	
Approved	For the moderator
Constructors	
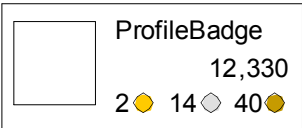
UserClickAddNew	When the user clicks add new button
ModerateQuestionLoad	When the moderator loads the question for review
Methods	
MakeQuestion	New
ModerateQuestion	Update

4 PROFILE

Description	
• The profile component carries all of the information of the user: Attributes, Points, Badges, Follow.	
• It also contains a history of changes to the profile information	

Interactions	
Follow	
History	
Guru Points	
Badges	
Privacy	
Notifications	

Mockup

ProfileBadge

12,330

2 ◇ 14 ◇ 40 ◆

Profile Info

Bio

Links

Inheritance	
GuruPoints	
Username originality AJAX check	http://drupal.org/project/username_check
Anatoa - together against profile fraud	http://drupal.org/project/anatoa
Content Profile	http://drupal.org/project/content_profile
One page profile	http://drupal.org/project/onepageprofile
CCK Field Privacy	http://drupal.org/project/cck_field_privacy
Mollom	http://drupal.org/project/mollom
Lightbox2	http://drupal.org/project/lightbox2
OpenID	http://drupal.org/project/openid
Privatemsg	http://drupal.org/project/privatemsg
Advanced Profile Kit	http://drupal.org/project/advanced_profile

Fields	
UserName	
Real Name	
Email	
Picture	
Bio	

Links	
Facebook	
Twitter	
DOB	DOB of the User
Gender	Gender of the User
Zip/Postal Code	Zip/Postal Code of the User
Religion	Religion of the User (Christian (Cath or Prod), Muslim (Suni Shi), Jewish, Hindu, Buddhist)
Ethnicity	Ethnicity of the User (Caucasian, Black, Asian, Indian, Semetic, Aborigines)
Slant	Slant of the User (Left, Right or Center)
Role	
Politician	
Flag, Warnings	
Constructors	
WavePost	
GuruList	
ResourcePost	
Methods	
CreateProfile	
UpdateProfile	
DeleteProfile	
Follow	
Contact	

4A PROFILE BADGE

Description	

• The profile badge is a small panel that is displayed as the representation of the user on:
    o Forum/Wave Posts
    o Question Author
    o Resource Post
    o Guru	

Interactions	
Profile	Whenever the Profile Badge is clicked, build and load the Profile
Mockup	

ProfileBadge
12,330
2 14 40

- Can be resized
- Pin the points and badges to the right and the pic to the right and the username to the pic.

Inheritance	
Profile	
Fields	
UserName	
Picture	
Badges	
Points	
Country	
Constructors	
WavePost	
GuruList	
ResourcePost	
Methods	
OpenProfile	

4B PROFILE PRIVACY

- All privacy settings are set at the time of profile creation and can be updated by pressing the Privacy button in the header.
- Privacy Settings GUI loads in a lightbox
- User can choose to hide or display each profile attribute they enter
- User can choose whether to hide from
  - Anonymous
  - Only Followers and Followees
  - Logged in users/Registered users

4C QUESTION AND RESOURCE PRIVACY

- Profile setting that allows a user to have predetermined privacy settings.
- User can choose the following settings:
  - Always post non anonymous
  - Only allow followers and followees to see
  - Always post anonymous
  - Prompt on all (if prompt all, then when user is posting, pop up to ask if he wants to share with everyone or just followers or not at all)
- If user chooses to be anonymous, the user demographics in the profile are still calculated, but not shown.
- Facebook and Twitter settings as well here.

5 LISTS

Calculate lists on the fly based on current data.

5A TOP AND HOT

Description	
• These 2 lists contain the questions sorted by number of answers (including suggested answers). • Top includes all time top questions, Hot includes top questions within 7 days (algorithm TBD). • Display only the question text, with mouse over hover if text is too long http://www.hotajax.org/content/view/213/420/	
Interactions	
QuestionLite	
Widget	Make iGoogle widget
Inheritance	
Question	
Fields	
QuestionText	
PossibleAnswers	Array
Categories	Array
Constructors	
Home Page Load	
Methods	
RefineByCategory	

5B LOCAL

Description	
• Contains a list of questions based on City, State, Country of IP address (default) or the profile postal code if logged in and data is available. • Only include questions within country • Sort by Local Points	
Interactions	
QuestionLite	
Widget	Make iGoogle widget
Inheritance	
Question	
IP to Country	http://drupal.org/project/ip2cc
Location	http://drupal.org/project/location
Fields	
QuestionText	
PossibleAnswers	Array
Categories	Array
Constructors	
Methods	
LocalPoints	Algorithm – Local Points = • Answers (City Match: * 2, else *1) * (State Match: * 2, else *1)
RefineByCategory	

5C GURUS

Description	
• Includes list of Profile Badges sorted by guru points.	
Interactions	
Profile	
Profile Badge	
Guru Points	
Inheritance	
ProfileBadge	
Fields	
ProfileBadge	
Constructors	
Build this list when the Guru Page Loads	
Methods	
RefineByCategory(CategoryIDs)	
OpenProfile(UserID)	

5D NEW QUESTIONS (ADMIN)

Description	
- List containing all new questions that have not been cleared by the moderator sorted chronologically - Buttons above list to approve or decline question	
Interactions	
MakeQuestion	
Mockup	
Inheritance	
QuestionLite	
Fields	
QuestionText	
PossibleAnswers	Array
Constructors	
When the Admin page, approve new question page loads, build this list.	
Refresh the list after each question is cleared by the moderator	
Methods	
ApproveQuestion	
DeclineQuestion	Send a notification to author
PossibleDupe	

5E FLAGGED QUESTIONS AND POSTS

Description	
• List containing all flagged nodes that have not been cleared by the moderator sorted chronologically	
Interactions	
MakeQuestion	If question is flagged, then open MakeQuestion when selected
Forum/Wave	If forum post is flagged, then open entire Thread when selected
Mockup	
Inheritance	
Flag	
Question	
Fields	
FlagExplanation	User who created the flag leaves a reason why
Constructors	
When the Admin page, flagged question page loads, build this list.	
Refresh the list after each question is cleared by the moderator	
Methods	
Ignore	Clear Flag Send email to Flagger
Delete	Delete Question or Forum Post Send email to Flagger and Poster/Author

Description	
• List containing all flagged users that have not been cleared by the moderator sorted chronologically • User becomes flagged when X number of nodes that he created are flagged and removed. • Warning Ignore Block	
Interactions	
MakeQuestion	
Forum/Wave	
Resources	
History	
Mockup	
Inheritance	
ProfileWarnings	
QuestionFlag	
ForumFlag	
ResourceFlag	
Fields	
UserName	
Constructors	
When the Admin page, flagged user page loads, build this list. Refresh the list after each question is cleared by the moderator	
Methods	
Warning	
Ignore	
Block	

6 SUGGEST LISTS

6A SUGGEST QUESTIONS

Description	
• Based on Category, Subcategory and Tags of the question attributes, populate a list of most answered questions that the logged in user has not voted on. • Display only question text • When a question text is selected, dynamically load page (and then refresh this list)	
Interactions	
QuestionsFull	If user clicks question in list, load question Full
Mockup	
Inheritance	
Fields	
QuestionText	
Constructors	
QuestionFull	
Methods	

6B SUGGEST TAGS

Description	
- This will suggest tags based on key words in question, context and answer crossed with other tags in selected categories (if possible). - Once the question text, context and categories have been chosen, then this list will populate with "unselected" tags based on the text matches first, then with tags from other questions in the subcategory ranked by most used. - User then clicks on the tag to select the tag and can then click off to deselect it. - If more question text or context is entered by the user (during the session), then store the already selected tags, then update the suggestion list.	
Interactions	
Questions	
Mockup	
Inheritance	
Tagging	http://drupal.org/project/tagging
Suggested Terms	http://drupal.org/project/suggestedterms
Fields	
Tags	
Constructors	
CreateQuestion page load	
Methods	
FindTags	On each lose focus where the user has entered new data, search for tags

6C SUGGEST FOLLOW

Description	
• Based on Following users, get entire list of their followings (Users and categories) and sort by most followers. • No duplicates • Do not display if user is already following	
Interactions	
Profile	
Taxonomy	
Mockup	
Inheritance	
Follow	
Fields	
Suggestion	
Constructors	
Notification page load	
Methods	
CreateList()	

Description	
- User receives the following notifications types: - Reply to a post on a forum *(this might have to be done separately – merging notifications and waves might be difficult – TBD)* "Likes" notifications - Message from other user *(this might have to be done separately – merging notifications and waves might be difficult – TBD)* - Following categories or tags new question created - Follower action - New followee - New Answer approved on previously answered question (Suggest Answer) - Earns a Badge - User is Warned re: User Flag - User can choose to be notified by email as well as through Heard Mentality. - User can select to disable any notification type - Notification static text are modifiable by the administrator - New notification types can be added - Notification Lite for the Home Page gives short view of the notification. - Users can send email notifications to each other.	

Interactions	
QuestionLite	
Forum/Wave	Notification when thread is built on
Resources	
Profile	New Follower or click on Profile Badge
Badge	Notification when Badge is earned
Like	Notification when users node is liked
Follow	Notification when user gets new follower
Follow	Notification of Follower History or Category Follow new Question
SuggestAnswer	Notification when a Answer you suggested is approved
Flag User	Warning notification sent to User

Mockup	

Inheritance	
ProfileBadge	
Notifications	http://drupal.org/project/notifications
Notifications Add-ons	http://drupal.org/project/notifications_extra
Subscriptions	http://drupal.org/project/subscriptions

Fields	
NotificationSource	CategoryID, UserID, ForumPost, Resource
QuestionText	
PossibleAnswers	
NotificationText	
Viewed	Cleared by the user from the list

Constructors	

When the notification page loads, create list of notifications.	
After each notification is cleared by the user, refresh the list	
Methods	
ReceiveNotification	
OpenQuestionLite	
OpenQuestionForum	
OpenQuestionResource	
OpenProfilePage	
ReplyToNotification	
Clear/IgnoreNotification	
AnswerQuestion	
SendNotification	Send a notification to any user

8 SEARCH RESULTS

8A QUESTION

Description	
• Display all questions based on search text • Faceted Search: Contains Dynamic category/tag navigation that can be drilled on • Clicking on Tag lists all questions in tag in popularity order • Display filter items in the top of the right panel • Able to sort by most answers and newest • Able to filter out questions the logged in user has already voted on • Dynamically load refined questions • Able to vote (or change vote) on questions directly from the search results.	
Interactions	
QuestionLite	
Mockup	
Inheritance	
Faceted Search	http://drupal.org/project/faceted_search
Apache Solr Search Integration	http://drupal.org/project/apachesolr
Fields	
QuestionText	
PossibleAnswers	
Constructors	
AfterSearchQuestion	
Methods	
FacetedNarrow(Category, Tag, Location)	Narrow Result Set based on Faceted Search
AnswerQuestion(UserChoice)	UserAnswers
OpenQuestionLite	

8B USER

Description	
• Refine by guru points categories and location.	
• Location Checkboxes dynamically load based on higher level selection	
• Search results are dynamically updated	

Interactions	
Profile	

Mockup	

Inheritance	
ProfileBadge	
Profile search	http://drupal.org/project/profilesearch

Fields	

Constructors	
AfterSearch	

Methods	
OpenProfile	
RefineBy(Location,GuruPoints)	

9 DONATE

Best practice – Paypal

Make your donation now

Wikipedia is nonprofit and relies on your individual donations. Please make your donation now.

Select your tax-deductible gift amount:

○ $35   ○ $50   ○ $75   ○ $100   ○ Other: [_____]   [USD – $ ▼]

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[_____]

☑ Please list my name (next to my comment) on the public donor list.

☑ I agree to receive future Wikimedia Foundation newsletters or emails. (We will never sell or trade your information. Our privacy policy can be found here.)

[**Donate by credit card**]

[**Donate via PayPal**]

Other ways to give
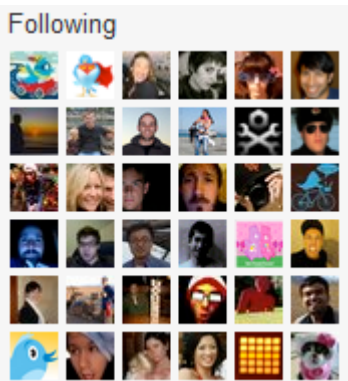
For more information about our non-profit status, our Annual Report, or other questions, click here.

To give to a local Wikimedia chapter, click here.

If you have disabled JavaScript, please use our alternative form.

Drupal Modules	
Donation	http://drupal.org/project/donation

10 FOLLOW

Description
- Ability to follow another user and receive notifications for all   - Questions created and answered   - Comments or resources posted   - See notification for display   - Ability for follower to see who is following them   - Ability to send email to all followees (and include token (link) for a question or posting)   - The follow component includes 3 functions: - Display all Followers and Followees (categories and users)   - Enable Follow Notifications   - Enable button to start following a user   - If the user clicks on the follow (follower or followee) boxes on the profile page, then load the list of followers into the profile search results page.

Interactions	
Notifications	
Question	
Forum/Wave	
User	
ViewProfile	

Mockup
Following

Inheritance	
FriendList	http://drupal.org/project/friendlist
User Relationships	http://drupal.org/project/user_relationships

Fields	

Constructors (Followers & Followees)
ViewProfile Page loads
Notification Page loads
ProfileSearchResults (Inherit from Profile)
Guru (Inherit from Profile)
Constructors (Start Following)
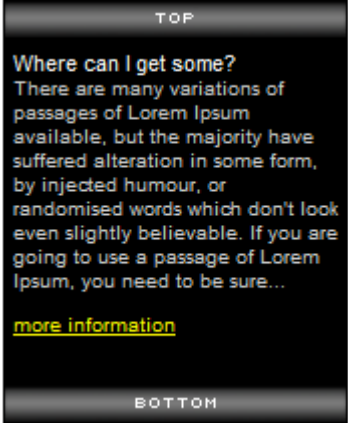
QuestionFollow	
UserFollow	
Methods (Followers & Followees)	
OpenProfile	
DisplayAllFollowing	Load into Profile Search Result Page
Methods (Start Following)	
StartFollowingUser	
StartFollowingQuestion	

11 HISTORY

Description
- See how stack overflow works.   - For each user track every interaction with the system   - Questions Created   - Questions Answered   - Forum Post   - Resource Post   - Liked someone or question or answer   - Was liked by someone else   - Earned badge   - New Follower   - Display in chronological order   - Display History type (above) and short desc of actions (TBD)

Interactions	
Profile	
ModerateUser	
Notification	
Follow	
Badges	
Question	
Resource	
Forum/Wave	
Like	
Mockup	
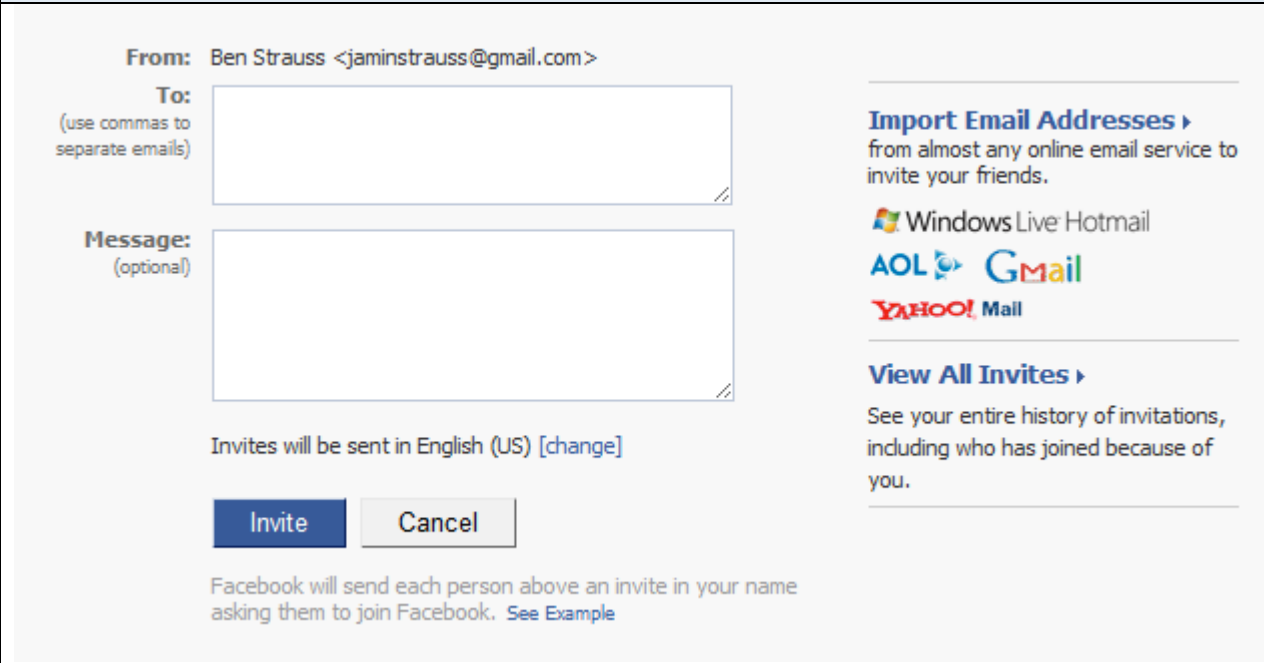
1h comment **Which Mathematics should I study to be a better programmer/developer?**
Dupe: stackoverflow.com/questions/107059/...

17h comment **Force an inheritor to initialise a field of the base from its CTOR (C#)**
`this` is unavailable in that context, of course, but you can call static methods and decide the output based on the arguments passed to the constructor. That's enough most of the time.

1d awarded `● Nice Answer`

1d accepted **How to reference current class type using generics**

1d awarded `● Enlightened`

1d awarded `● Nice Answer`

1d comment **Custom X86_64 calling convention to C function call**
Visual C++ has a `__declspec(naked)` modifier that prevents the compiler from generating prologue and epilogue.

1d comment **Force an inheritor to initialise a field of the base from its CTOR (C#)**
@Courtney: The alternative method might suit your case better.

1d revised **Force an inheritor to initialise a field of the base from its CTOR (C#)**
added constructor method.

1d answered **How to reference current class type using generics**

1d comment **Force an inheritor to initialise a field of the base from its CTOR (C#)**
@Courtney: You are sacrificing design correctness for syntactic beauty, which is not a good thing IMO. This is not a big deal. Simply declare a new property with a different name in the derived class: `public MyImplementation MyImplementation`

1d comment **Transmitting hand-written information over a network**
Put a cheap worker in front of the board and ask him to use an instant messenger to send everything the teacher writes to another guy.

1d comment **Why are people not using Functional Programming languages?**
People are increasingly using it. Look around.

1d comment **No overflow exception for int in C#?**
"Obviously, this only makes sense when you've got checked operations enabled in the project settings." ... or you want to evaluate an

Inheritance	
Activity	http://drupal.org/project/activity
Fields	
Node	
Action	
UserID	
Details	
TimeStamp	
Constructors	
ProfileView page loads	
ModerateUser page loads (Load based on selected user)	
Methods	
GoToHistoryItem(Node)	

12 HEARD MENTALITY NEWS/BLOG

Description
• Ability to write an news item • Ability to post a link to a external news item

Interactions	
HomePage	

Mockup
  http://zendold.lojcomm.com.br/icarousel/example5.asp

Inheritance	
Blog	

Fields	
Title	
Posting	
Link	

Constructors	
HomePage Loads	

Methods	
PostToNew()	
LoadBlogPage()	
ViewBlog()	
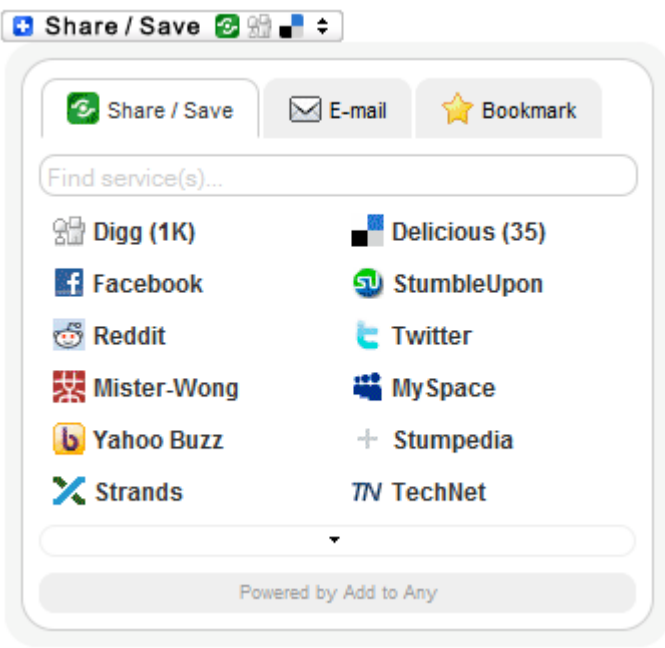
13 SOCIAL

13A INVITE
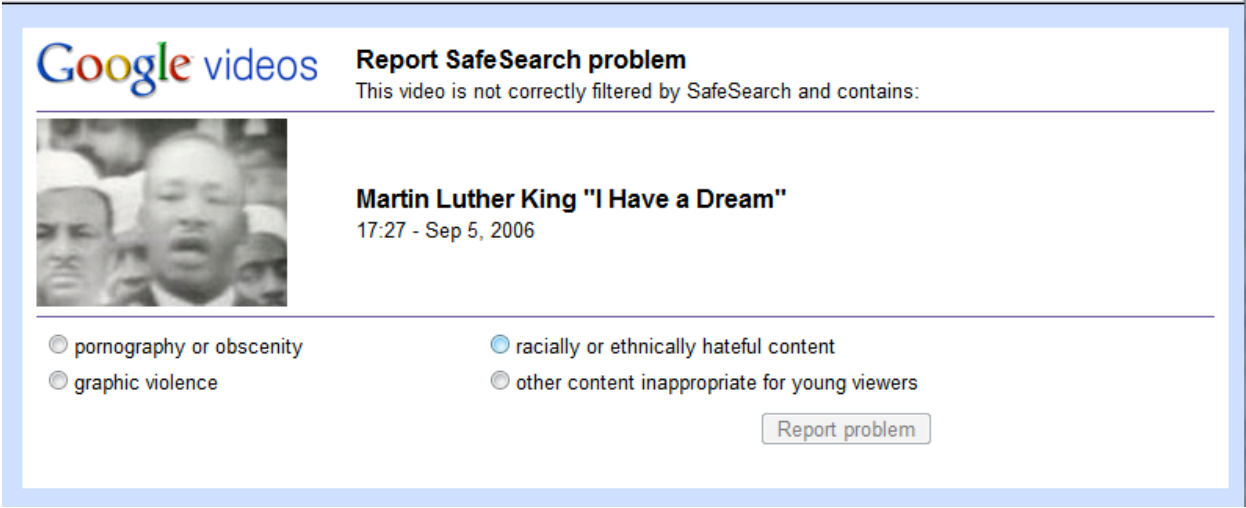
Description
• Ability to Invite friends to answer a question or to join the site
• Ability to scan user's email account address books (google social graph) and a allow user to easily select which users to invite
• Ability to edit the text of the invitation
• Add users who join to the inviters followers list
• Send email from the users email address that is stored in profile – confirm before send.
• Button for invite politician to vote on this question (with some kind of way of finding his local politician – maybe link to different country gov sites)   govtrack has for us a lookup

Interactions	
Question	
Resource	
Points	Get Points for inviting
Mockup	

From: Ben Strauss <jaminstrauss@gmail.com>

To:
(use commas to separate emails)

Message:
(optional)

Invites will be sent in English (US) [change]

[Invite] [Cancel]

Facebook will send each person above an invite in your name asking them to join Facebook. See Example

Import Email Addresses ▸
from almost any online email service to invite your friends.

Windows Live Hotmail
AOL ▸ Gmail
YAHOO! Mail

View All Invites ▸
See your entire history of invitations, including who has joined because of you.

Inheritance	
Invite	http://drupal.org/project/invite
Drupal Contact List Importer	http://drupal.org/project/dcl_importer
Fields	
Constructors	
User presses the invite button	
Methods	
ImportEmailContacts()	

ImportSocialNetworkContacts()	
Invite()	

13B BOOKMARK

Description	
• Ability to add current page as a social bookmark on popular sites (ex: Digg, Facebook, etc…).	

Interactions	
Question	
Resource	
HeardNews	

Mockup	

Inheritance	
Add to Any Share/Bookmark Button	http://drupal.org/project/addtoany
Share	http://drupal.org/project/share
I like this if we can get it to work	http://net.tutsplus.com/tutorials/javascript-ajax/drag-to-share/

Fields	

Constructors	
User presses the bookmark/share button	

Methods	
SocialBookmark()	

14 FLAG

Description	
• Questions, Forum Posts, Resource Posts and Comments can be flagged • When an item is flagged, send to admin (see admin)	

Interactions	
Question	
Resource	
Forum/Wave	
Badge	User gains Badges for flags being approved
Guru Points	User gains Guru Points for flags being approved
Privilege	Check user privileges before Flag

Mockup

Inheritance	
Flag	http://drupal.org/project/flag
Flag Abuse	http://drupal.org/project/flag_abuse
Flag Note	http://drupal.org/project/flag_note

Fields	

Constructors
User presses the flag button

Methods
FlagNode()

15 LIKE

Description	
• Questions, Forum Posts, Resource Posts and Comments can be voted up only (copy facebook) • User only has X Likes per week (see privileges)	
Interactions	
Question	
Resource	
Forum/Wave	
History	
Privilege	Check user Privileges before like
Mockup	
TBD	
Inheritance	
Node Vote?	http://drupal.org/project/nodevote
Fields	
Constructors	
User presses the flag button	
Methods	
LikeNode()	
EarnLikes()	User earns likes based on privileges

16 RULES ENGINE / CRONS

16A GURU POINTS

Description
- Users gain points by the following actions   - Creating a question   - Created question reaches x, y or z etc answers (i.e. when votes reach different thresholds, question author gains points based on ranges ex: 50-100 votes = 5 pts, 100-300 votes = 10 pts, etc…)   - Answering a question   - Have a post "liked"   - Flagging a question or user that is ultimately removed   - Subscribing a friend   - Number of followers (dynamically determined points because when you lose a follower, you lose the points)   - new points possibilities can be added by administrator   - Donate   - Point values for each action are administrator maintained through a GUI   - If applicable, the category tree of the question where points are gained is retained to facilitate guru searches. (i.e. question created, or forum post "likes" store also the category and subcategory to facilitate the guru filtering)   - Summarized and detailed lists of points earned per action   - Display points with the profile   - Display different icons for different point levels   - Ability to suppress points from collecting and/or displaying to other users.   - Display in Guru pages ranked by number of points and ability to drill by category tree.

Interactions	
Profile	Earn points for completing the profile
ProfileBadge	Display Guru Points on the Profile Badge
Guru	Display and Sort Users on this page by Guru Points
Question Guru	Display Question Gurus
Question	Earn Points for creating questions that become popular
Forum/Wave	Earn points for stimulating discussion on your thread
Resource	Earn points for posting resources that are viewed X times
Like	Earn point for having your nodes liked.
Flag	Earn points for flagging a node that is ultimately removed
Invite	Earn points for inviting (only once subscribed)
Follow	Earn points when user gets followers
Donate	Earn points when user donates
Privilege	Privileges are based on Guru Points

Mockup	

Inheritance	
User Points Voting API	http://drupal.org/project/userpoints_votingapi
User Points	http://drupal.org/project/userpoints
User points Nodes and Comments	http://drupal.org/project/userpoints_nc

User Points Top Contributors	http://drupal.org/project/userpoints_top_contributors
User Points Contributed modules	http://drupal.org/project/userpoints_contrib
Fields	
Constructors	
Cron	
Methods	
EarnPoints	
LosePoints	
SpendPoints	

16B BADGES

Description	
For list of events users earn badges (copy http://stackoverflow.com/badges.) • List of events TBD • Example: Biographer: When a user completes all profile fields.	
Interactions	
ProfileBadge	Display Badges on Profile Badge
Like	Earn Badge for nodes being liked
Forum/Wave	Earn Badge for Thread replies
Profile	Earn Badge for completing all profile info
Flag	Earn Badge for Flagging questions that are removed
Follow	Earn Badge for being followed by X number of users
Tag	Earn Badge for suggesting new Tags
History	Show Badges earned in History
Notification	Send user a notification when he earns a Badge
Mockup	

Icons: TBD

Badges Page:

Inheritance	
User Badges	http://drupal.org/project/user_badges
Fields	

Constructors	
Cron	
Methods	
EarnBadge	

16C SUGGEST ANSWER

Description	
• Display all other suggested answers with the option to vote for already suggested answer, or to enter free text of a new suggested answer. • Remember and display the user's previous suggested answer. • Do not allow the user to answer a question if he has suggested a new answer. • Allow user to change the answer. • When the suggested answer votes reaches X% of the total answers, then suggested answer becomes an answer with all of the votes associated. • Send a notification to those suggesting and question author.	
Interactions	
Question	
Notification	
Privilege	
Mockup	
Inheritance	
Fields	
SuggestedAnswer	The Text of the Suggested Answer
QuestionID	The Question that the Suggested Answer is for
UserID	The User who wants that Suggested Answer
Constructors	
Load when the SuggestAnswer button is pressed	
Methods	
NewSuggestedAnswer	Create a new SuggestedAnswer
VoteOnExistingSuggestedAnswer	Add Vote to an existing SuggestedAnswer
ApproveSuggestedAnswer	Add to PossibleAnswer and Notification
RemoveSuggestedAnswer	Allow user to withdraw SuggestedAnswer and vote on existing answer.

16D FLAG USER

Description	
• When a user`s questions or comments have been flagged X times, then the user becomes flagged. • This flaged user is then treated by the administrator	
Interactions	
Question	
Resource	
Forum/Wave	
Admin	
Mockup	
Inheritance	
FlagNode	
Profile	
ProfileBadge	
Fields	
Constructors	
Cron	
Methods	
FlagUser	
SendWarning	Send User a Warning Notification and Flag the User Profile
IgnoreWarning	Clear Flag
Block	Suspend the Users Account for X days

16E USER PRIVILEGES

Description

- User privileges controls what actions the user can do.
- Validated Politician Users have all Privileges without points – i.e. no restrictions
- Privileges are gained by based on the User's guru points balance (see http://stackoverflow.com/faq)
- Privileges are maintained by the Admin. Points can be changed and new Privileges can be added (with coding is OK)
- See Permissions below (Blue shaded boxes)
- Example from Stack Overflow:

Points	Privilege
15	Vote up
15	Flag offensive
50	Leave comments†
100	Vote down (costs **1** rep)
100	Edit community wiki posts
200	Reduced advertising
250	Vote to close or reopen your questions
250	Create new tags
500	Retag questions
1000	Show total up and down vote counts
2000	Edit other people's posts
3000	Vote to close or reopen any questions
10000	Delete closed questions, access to moderation tools

Interactions

MakeQuestion	
Wave/Forum	
Taxonomy	
Tag	
SuggestAnswer	
Resource	
Flag	
Like	

Mockup

Inheritance

Fields

Constructors

Methods	
CheckPrivilege(privilege)	I don't know if its easier to store each users privileges or to determine on the fly…either way works for me.

16F SEO

Description	
I don't know how this is done but we want to index the questions and resources so that they will appear in Search Engine results that contain QuestionText, PossibleAnswer, Category and Tags key words. Give Higher weight to questions with more answers	
Interactions	
Question	
Resources	
Mockup	
Inheritance	
SEO Checkilist	http://drupal.org/project/seo_checklist
SEO Compliance Checker	http://drupal.org/project/seo_checker
SEO Friend	http://drupal.org/project/seo_friend
Fields	
QuestionText	
PossibleAnswers	
Categories	
Tags	
Constructors	
Cron	
Methods	
IndexSite	

SUBSCRIBE TO POLITICAL DATA (RSS AND API)

Description

The following RSS Feeds and APIs will create questions with Predefined Categories:

Site	Feed/API	Categories
http://www.govtrack.us/developers/api.xpd	Bills Index	US, Politics, Legal
http://www2.parl.gc.ca/SITES/LOP/VIRTUALLIBRARY	Legislative Summaries	Canada, Politics, Legal
http://services.parliament.uk/BILLS/	RSS feed for Bills before Parliament	UK, Politics, Legal
http://www.aph.gov.au/library/rssbd_feed.xml	Same	Australia, Politics, Legal

***For US: Create Tags based on the following (http://www.govtrack.us/congress/subjects.xpd)

The following RSS Feeds and APIs will populate Answers to questions by the politicians (Need to Xref BillIDs and Congress/MI

Site	Feed/API
http://www.govtrack.us	http://www.govtrack.us/users/events.xpd?m
http://www2.parl.gc.ca/housechamberbusiness/ChamberVoteList.aspx?Language=E	http://www2.parl.gc.ca/housechamberbusine
	(There are individual feeds for each bill with

Interactions	
Question	
Profile	
History	
Mockup	
Inheritance	
Fields	
Constructors	
Methods	

EMAIL POLITICIANS

Description
Send a predefined email to politicians containing data based on users in constituency
Interactions
Question

Reports	
Mockup	
Inheritance	
Congressional District Look-up API	http://www.govtrack.us/developers/api.xpd
Fields	
ZipCode	
Constructors	
Cron	
Methods	
SendPoliticianEmail	

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17 SOCIAL NETWORKING

FACEBOOK INTEGRATION

1. Post New Question to Wall
2. Post Answer to Question to Wall
3. Invite Facebook friends to answer question
4. View how Facebook friends have answered questions
5. View questions answered by Facebook friends
6. Facebook Apps version of Heard Mentality

TWITTER INTEGRATION

1. Post New Question
2. Post Answer to Question

Drupal Modules	
Facebook Connect	http://drupal.org/project/fbconnect
Drupal for Facebook	http://drupal.org/project/fb
Twitter	http://drupal.org/project/twitter
Shorten URLs	http://drupal.org/project/shorten

PERMISSIONS

	Anonymous	User	Moderator 1	Moderator 2	Admin
Create Profile	X				
Edit Profile		X	X	X	X
View Profile	X	X	X	X	X
Search User	X	X	X	X	X
Follow User		X	X	X	X
Search Question	X	X	X	X	X
Create Question		X	X	X	X
View Question	X	X	X	X	X
Answer Question		X	X	X	X
Post to Forum		X	X	X	X
Change Answer to Question		X	X	X	X
Invite People To Answer Question		X	X	X	X
View Results of Question	X	X	X	X	X
Like post		X	X	X	X
Flag Question or Forum Post		X	X	X	X
Social Bookmark Question	X	X	X	X	X
Add Category/Tag To Question		X	X	X	X
Delete Question			X	X	X
Suggest New Answer		X	X	X	X
View Gurus	X	X	X	X	X
Create Mashup	X	X	X	X	X
Download Raw Data		X	X	X	X
Add Resource		X	X	X	X
Donate	X	X	X	X	X
Translate Page	X	X	X	X	X
Moderate User			X	X	X
Moderate Question			X	X	X
Build Category Tree			X	X	X
Manage Politian Account			X	X	X
Moderate Moderator				X	X

With [Privileges]

USER

CREATE PROFILE

1. New user clicks create profile

2. Use OpenID to log in users
3. Default user role assigned
4. Optional: User enters profile attributes.
5. Human verification: captcha
6. User is offered to invite friends

EDIT PROFILE
1. While logged in, user clicks edit profile
2. User modifies profile info (add, update, delete) (ensure no dupe email address)
3. Confirms changes

VIEW PROFILE
1. Select user name to view profile
2. Open Profile Page of User

SEARCH USER
1. Enter name and/or handle into single search box
2. Display results based on relevance and user popularity

FOLLOW USER
1. Click follow user button on the Profile or Answer page

SEARCH QUESTION
1. Enter question keyword into search box
2. Display results based on relevance and popularity

CREATE QUESTION
1. Click create new question
2. Enter question text
3. Enter possible answers
4. System searches to see if similar questions exist (Use search functionality with question and answer text)
5. Display search results to user
6. If user finds similar question (end), else user clicks continue.
7. Add additional notes to question
8. Assign tags/categories to question
9. Optional: Add voting restrictions to question (i.e. expiry, users must live in x area, etc)
10. Notification is sent to all followers

VIEW QUESTION
1. Click Question
2. Open Question page
3. Optional : User can follow question and will receive notifications when new forum is posted

ANSWER QUESTION
1. Question page is open

2. Click answer radio button
3. Register vote and profile attributes
4. Optional: If users Question Privacy setting are set to prompt, then display prompt message

POST TO FORUM
1. Question page is open
2. User selects thread to post to
3. User enters forum post text
4. User submit
5. Users vote is displayed with his user badge in forum
6. Notification is sent to all followers

CHANGE ANSWER TO QUESTION
1. User is on a question they have previously answered
2. User changes answer (i.e. selects another radio button)
3. Register vote and profile attributes
4. Optional: If users Question Privacy setting are set to prompt, then display prompt message

*Note: if user previously shared answer and now isn't, we may need special rule here if not too complicated

INVITE PEOPLE TO ANSWER QUESTION
1. User is on the Question or Answer page
2. Click invite button
3. Options: Email Invite, Facebook Invite, Twitter Feed,
4. Write text in invite

VIEW RESULTS OF QUESTION
1. Default graph is Pie showing Total Answers % and Total Answer Count
2. Choose Graph Type: Bar, Pie, Sparkline (time sequence), Heat Map
3. Choose Dimensions: Any profile attributes (ex: Age, Sex, Location, Religion, etc)

"LIKE" POST
1. Click the "Like" button next to post (like Facebook)
2. Notification is sent to all followers
3. Guru points scored for poster

FLAG QUESTION OR FORUM POST
1. Click the "Flag" button next to question or Forum Post
2. Worklist item is created for admin

SOCIAL BOOKMARK QUESTION

1. Add Social Bookmarking gadget to Question page template.

ADD CATEGORY/TAG TO QUESTION
1. Click add Category/Tag button
2. Type new tag (dynamic search of existing tags like Google Suggest) or user can find tags through tree structure.

3. Loop until done

DELETE QUESTION
1. User is logged in as Admin
2. User views list of created questions
3. User clicks delete button next to question
4. Confirmation
5. Delete all entries

SUGGEST NEW ANSWER
1. Precondition: Question must be active/created
2. User is on the Question Full page
3. User selects Suggest New Answer from the actions dropdown.
4. Display all other suggested answers with the number of votes for them with the option to vote for already suggested answer OR option to enter a free text of a new suggested answer
5. Remember and display the user's previous suggested answer.
6. Do not allow the user to answer a question if he has suggested a new answer.
7. Allow user to change the answer.
8. When the suggested answer votes reaches X% of the total answers, then suggested answer is promoted to a real answer with all of the votes associated.
9. Send a notification to those suggesting and question author.

VIEW GURUS
1. User clicks on Guru
2. User refines categories and tags for desired guru
3. System returns profile results based on user scores in refinement

CREATE MASHUP
1. User is on Question page
2. User clicks create mashup button.
3. User defines size of mashup
4. Maybe: Different stylesheets?
5. Create iframe code to cut and paste

DOWNLOAD RAW DATA
1. User is on Question page
2. User clicks download raw data
3. Select dimensions to download (location granularity)
4. Upload csv

ADD RESOURCE
1. User select "add resource" button
2. User selects: resource type: In the News, Multimedia, facts
3. If in the News, user enters URL of news site
4. If Multimedia or Facts, user selects media type: Web Video (i.e. Flash – like YouTube), Video File,Podcast, PDF, DOC, PPT.
5. If Webvideo, user enters embed URL
6. If PDF, DOC, PPT system interfaces with Scribd API and handles upload

7. If video, TBD…

DONATE

- Best Practices – Pay Pal

TRANSLATE PAGE

- Install Google Translate Plugin

ADMIN

OVERVIEW
- Admin panel is accessible from a top level nav-link that is available for users with administrator roles.
- Admin panel has two boxes: a list of administrative notifications; a full view for the selected notification, which we'll call the Administrator task workflow
- The admin panel is designed to allow administrators to quickly respond to notifications.

NOTIFICATIONS LIST
- Formatted identically to a normal notifications list.
- Each notification displays a short text summary of the notification.
    o E.g. "Jenny33 reported Bob65's forum post as abuse: 'there's no need to curse so much here!' "
- Highlighting the notification opens a full view in the admin task workflow (right hand region)

ADMINISTRATOR TASK WORKFLOW
- A full interface view of the highlighted notification. The elements of the interface are determined by the task type, e.g. abuse report.
- Standard elements appearing for most tasks include:
    o User who did the reporting
        ▪ Summary of anything notable about them; # of report; whether they've been reported
    o User who is the subject of the report
        ▪ Summary of anything notable about them; # of reports on them; their score
    o Content of the task/incident, including explanation by reportee
    o Administrators have the option to **defer a notification**. The options for deferral of notification are:
        ▪ "I'll complete this one later, within 48 hours."
        ▪ "I would rather not complete this notification. Can someone else do it?"
        ▪ "This notification should be referred to a higher authority. It's a sensitive issue."
    o Links to originating pages and content that precipitated the task.
    o A set of decision buttons associated with the task type.
        ▪ E.g. buttons for 'abuse' type: 'validate abuse: remove content', 'deny abuse'.
    o A text box for the administrator to leave comments on their decision.
- Submission of the task triggers a set of actions and/or notifications, depending on the task type, and the decision issued. Types of consequences include:
    o Notify reporter and/or reportee of the outcome
    o Remove revoked content from the site, and all child elements (e.g. forum replies)
    o For sensitive issues (e.g. ban user), the task must be validated by a super admin user.
    o Site credits may be awarded to a conscientious reportee
    o Detailed notifications may be issued explaining site guidelines.

OBJECT MODEL FOR ADMINISTRATIVE TASK – 4 COMPONENTS

- **Trigger** – An event that when satisfied fires an instance of an Administrative task
  - o Input: user id (may be an admin) of user who triggers; task type; explanation;
  - o Output: new admin task is queued for an admin user
- **Workflow** – Sequence of steps for the resolution of the admin task
  - o Input: an admin task with an admin user who is assigned the duty of resolving the issue under certain constraints (e.g. time constraint)
  - o Output: A set of actions the admin user can take to satisfy the workflow. There are optional and required steps. Each workflow step may be marked as completed by ticking off, by entering a comment (i.e. what we found looking up that user), or the step may not require any action by the admin user.
- **Decision** – A response given by the admin user, intending to resolve the issue
  - o Input: An admin task, admin user id, workflow output, task type defines the decision options.
  - o Output: response by the admin may be a binary decision, may include a comment, may include multiple comments (e.g. internal, external comments).
- **Consequence** – Changes to the HM system caused by a decision at the previous step.
  - o Input: admin task, admin user id, admin decision
  - o Output: one or more actions that can change parameters affecting any object in the system

LIST OF ADMINISTRATIVE TASKS

MODERATE USER
User question or forum post has been flagged X times
1. Send warning message
2. Suspend User

MODERATE QUESTION
Question has been flagged by user or new question or question has been inactive for X time
1. Display question
2. Optional: Send notification to question author re: possible modification
3. Delete question OR leave question OR modify question
4. Notification to all Answerers re: Modifications or Delete

POSSIBLE DUPE QUESTION
1. Display all possible dupes
2. Options: Leave question as is OR Merge Question (merge is smallest number answered into larger number answered)
3. Notifications to all answerers re: Merge

BUILD CATEGORY TREE
1. When X number of questions fall into a category, then worklist is created to split the category into subcategories
2. Admin Spilts Category (Parent category survives and new subcategories are created.

MANAGE POLITICIAN ACCOUNTS
- Future Phase
- Ability to create dummy users that have the profile type of Politician (other profile type is regular) – A feature automate this from the RSS feeds might be nice but not required.

- Ability to assign real votes in Congress that the "Real" Politian made on a bill. Ideally this would be automated by the RSS feed that contains the vote (see RSS)
- Ability to merge the "Real" Politician with the Dummy Politician user. This occurs when the "Real" Politician becomes a user of Heard Mentality. The merging and verification that this is really the Politician will be a manual process by the admin.

MODERATE MODERATOR
- Future phase – not required

SYSTEM

CONCEPTUAL DATA MODEL
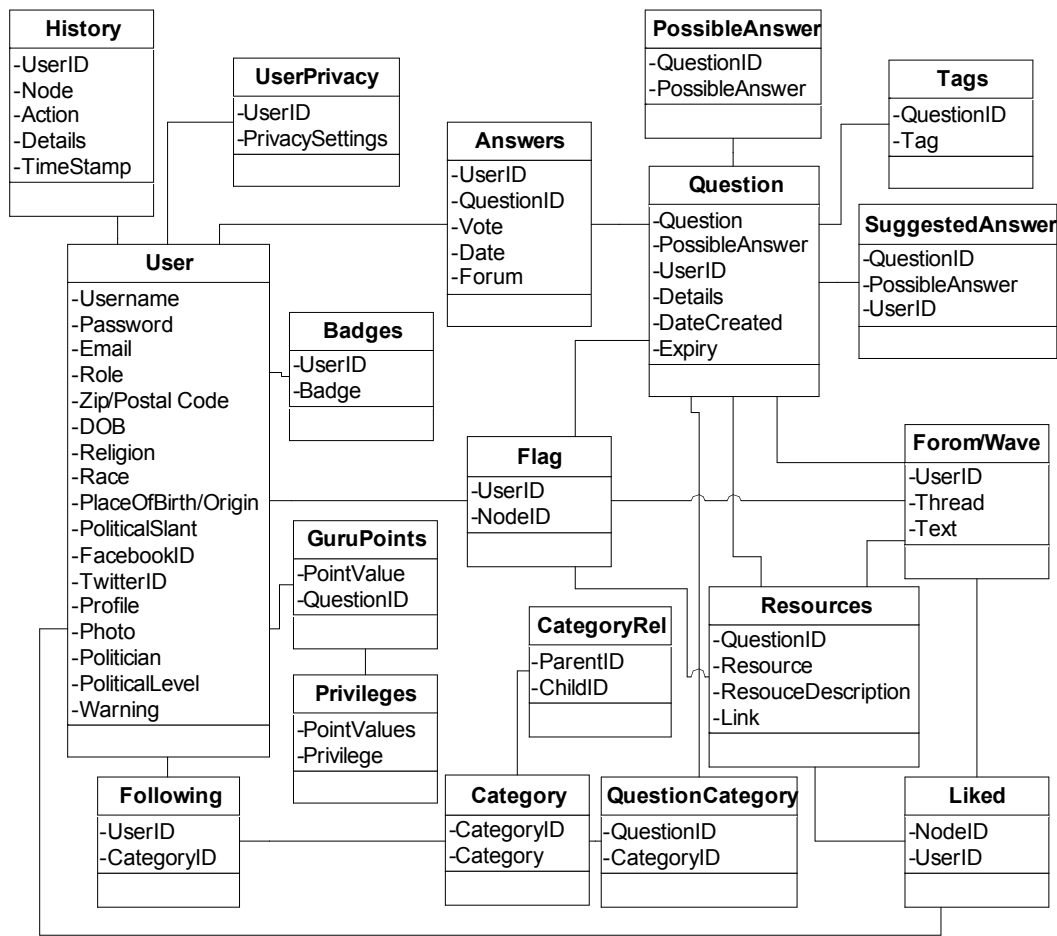
FUTURE CONSIDERATIONS

- Ability to translate each individual forum post – We will need to tag each forum post with the input language - this way dialogue can occur between multiple languages
- Adhoc reporting (jasper reports)
- Mobile/iPhone App
- Ability to load Government Budgets into the question component
- Groups
- Raw Data
- Politician