

**Product:** U-Nite

**Team:** 53

**Date:** 2/21/19

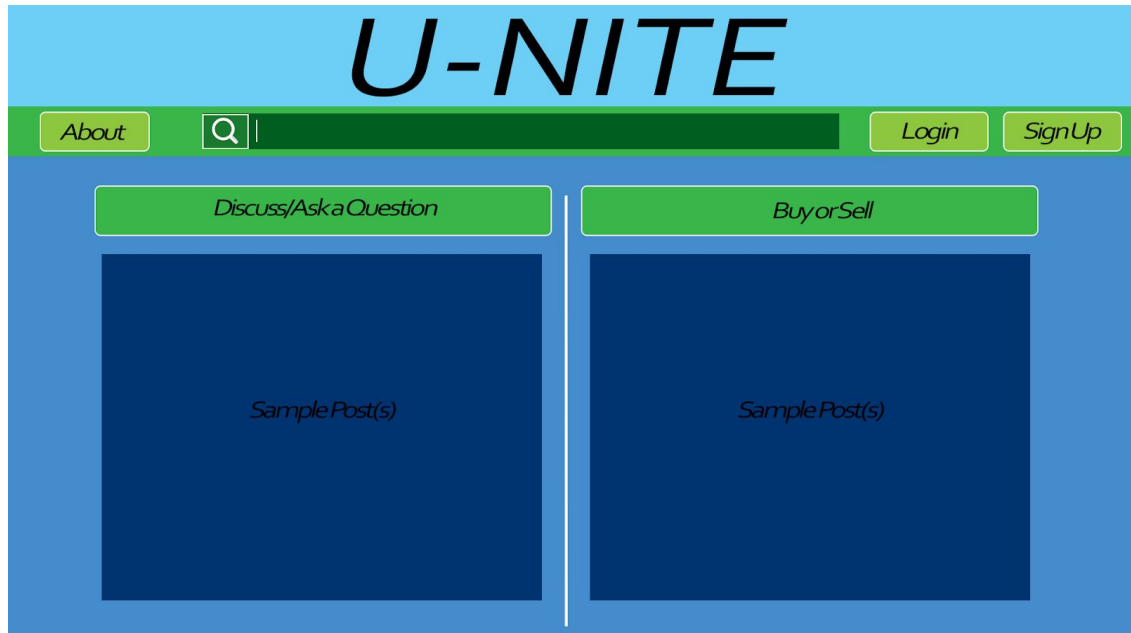
**Figure 7-1 – Possible System Entities**

Type	Name	Description or Notes
screen	HomePage	Links to navigate to other pages of the site, text briefly overviews website, login button
screen	BuyOrSellPage	Users can view other user's posts, make purchases, and sell items
screen	ForumsPage	List of user created posts with search navigation
screen	PostDraftPage	Text editor for creating posts where users select settings and content for their posts
screen	LoginPage	User login page
screen	FAQPage	Redirect to page with commonly answered questions and their answers
Database	UserDatabase	Allows the user to log in and securely stores their login information
Database	PostDatabase	Once a user posts an item for sale or posts to the forum, the entity is then stored in this database
code	DatabaseInterfacing	Organizes, retrieves, and stores information in our database
code	PostSorting	Logic dictating how posts are presented to a user based on the post's statistics
code	Search	Code for searching through forums and posts

**Figure 7-2 – Detailed Design for HomePage**

- Name: HomePage
- Type: screen

- Purpose: This screen is the main page for the website and includes navigation to other aspects of the site and an overview of the site.
- Description: This screen appears when a user initially launches the website. The main features of the page include an overview of the website, navigation to other aspects of the website such as the FAQ page, and a login feature.
- HomePage Screen Layout



**Figure 7-2 HomePage Screen**

**Figure 7-3 – Detailed Design for UserDatabase**

- Name: UserDatabase
- Type: Database
- Purpose: This database is meant to store and retrieve all of the stored user data when they create an account and log in.
- Description: This database is used for logging in users and creating new users, it will get their email address and verify that it is an educational email, and send a verification email. It will also get a username that will be attached to each post and message the user sends.
- Table Contents:

Data Element Name	Data Type	Key	Notes
username	String	PK	Username created by user

password	String		Password created by user
eduemail	String		Education email address that will be verified with verification email

**Figure 7-3 UserDatabase Table**

**Figure 7-4 – Detailed Design for LoginPage**

- Name: LoginPage
- Type: Screen
- Purpose: Allows a user to login to our website using their credentials.
- Description: A user will enter their username and password combination and click the login button. If successful they will be logged in and able to access the website. If they are a new user, they can sign up for our website by clicking the sign up button.
- LoginPage Screen Layout

**Figure 7-4 LoginPage Layout**

**Detailed Design for PostDatabase**

- Name: PostDatabase
- Type: Database
- Purpose: This Database will store all the users posts
- Description: Once a post is created it is stored in this database and available to be seen by others. The users looking at items for sale can sort by recent items or if they are looking

for something specific there will be a search function to use. Each post will have categories that can be specified as well for an easier search.

- Table Contents:

<b>Data Element Name</b>	<b>Data Type</b>	<b>Key</b>	<b>Notes</b>
post	string		Saves the text in the post
category	string		Gets the post category to use for search
itemName	string	PK	Saves and stores the items name to be used for searching later

### Team Capability Assessment

	<b>Andrew</b>	<b>Harrison</b>	<b>Miyo</b>	<b>Mikey</b>
<b>HTML</b>	3	3	2	3
<b>CSS</b>	3	2	2	2
<b>Javascript</b>	3	3	3	2
<b>SQL</b>	2	1	1	3
<b>PHP</b>	2	1	1	3

Note: The table values represent an assessment of team member capabilities. The values are as follows:

- 1 - No knowledge or not much relative to the needs of the project
- 2 - Enough knowledge to accomplish part but not all of the project
- 3 - Knowledge probably sufficient for the project