



INFO6215 51623 Business Analysis & Info Engr SEC 01 - Summer Full 2017

Team Project – Final Report



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1. BUSINESS CASE

1.1 Executive Summary

Northeastern University, a leading university has a well-developed and informative web site and wants to develop a student forum to help the existing/incoming students, faculty and alumni. This report will address the current business concerns, the benefit of the project. It discusses the detailed project goals, objectives and the strategy and lack basic information about – feedback related to coursework, Faculty & Professors, transportation, accommodation and living.

1.1.1 Issue

Existing /Incoming students, Faculty and Alumni lack basic information about feedback related to Coursework, Faculty & Professors, transportation, accommodation and living. This information is available in bits and pieces on different mediums such as Facebook, emails & text, other websites and smartphone apps.

1.1.2 Anticipated Outcomes

The Student Forum provides a public, approachable, multiple participant, searchable and filterable communication medium all at one place. It is for the students, by the students having accessed by all the existing students, faculty and alumni available to address all the queries and discussions posted in the form of threads and posts.

1.1.3 Recommendations

- Students will have an active and integrated medium
- Professor interact directly with students regarding their career prospective.
- Alumni can give feedback regarding their experience.

1.2 Business Case Analysis Team

The following individuals comprise the business case analysis team. They are responsible for the analysis and creation of the added feature to the NEU LIFE- Student Forum website.

Role	Description of Role and Activities Performed	Performed By Job Title (Optional)
Project Manager	Analysing and tracking the project and tasks	Bhavik Vora
Business Analyst	Creating Business requirement and swim-lane and Business diagrams	Lipsa Panda
UI/UX Designer	Creating UI/UX for the project	Anita Mohandas
Developer/Tester	Checking use cases for functionality and validating test cases.	Sameer Suman

1.3 Problem Definition

1.3.1 Problem Statement

- Existing /Incoming students, Faculty and Alumni lack basic information about feedback related to Coursework, Faculty & Professors, transportation, accommodation and living.
- Though, this information is available in bits and pieces on different mediums such as Facebook groups, Emails & text, other websites and smartphone apps.
- For Example, the existing university portal provides the information about the courses offered but does not provide a student's perspective about the course in terms of the teaching content, future prospects, meaningful learning etc.
- The existing portal doesn't provide the incoming students a means to communicate with existing students and alumni's to discuss and inquire about all the above points mention

1.3.2 Organizational Impact

The following points highlights the impacts on the organization post the implementation of the new student portal application:

1. Hardware: The new application, NEULife will be hosted on set of servers which will involve procuring new hardware such as storage and network devices.
2. Software: This application will be hosted in parallel to the existing portals for which new development tasks will have to be initiated.
3. Team: A new team will be assigned the job and responsibility of managing and delivering the entire project.

1.3.3 Technology Migration

Like any other system implementation project the changes will undergo different levels of testing and deployments which will generally be in phases and the new system will be implemented independently without affecting the other functioning applications

Phase 1	Place the orders and procure the new Hardware i.e. the servers, storage and network devices.
Phase 2	<p>a. Conduct interviews with the business users and accordingly develop / make changes to the application before going live.</p> <p>b. Assuming the development activities are done for the application to go up and running, create a development/test systems where the users can try their hands on and work with the development team for any modifications and perform unit and integration testing.</p> <p>c. Train all the users eventually who would be using the applications and ensure all the process has been defined for them for future reference</p>
Phase 3	While the Test environment is setup and tested thoroughly, setup the hardware infrastructure to facilitate smooth and timely deployment of the new developed application

1.4 Project Overview

1.4.1 Goals and Objectives

- No need to look for information at multiple mediums and platforms.
- Reliable and assured information by authentic users which are validated via their official university ID's.
- Managed content by moderators/admin to avoid spam and trivial posts.
- Provides a medium to network, socialize and collaborate ideas.

1.4.2 Project Assumptions

The following assumptions can be applied to the NEULife Implementation project:

[?]

- Training will be given to the end users to operate the new system along with sufficient training documentation
- All the respective stakeholders have approved the project and the idea of it is clear and accepted to all of them.
- Approvals for sufficient funding is already available for implementation of the project
- This includes allocating the budget to purchase hardware/software for the new system
- Possibly hire some contract based skilled employees for the duration of the project
- Conduct training sessions for the end users of the system
- Cost estimated and time effort calculations are all based on assumptions.

1.4.3 Project Constraints

The following constraints can occur during the NEULife Implementation project:

- The current development team available at the university has very few number of IT team members to support to development project along with maintaining the existing running application.
- There are a limited number of commercial off the shelf (COTS) products along with the infrastructure to support the newly developed NEULife application along with the existing applications.

1.4.4 Major Project Milestones

Milestones	Target Date
Project Proposal	08/09/2017
Project Plan Review	09/12/2017
Project Kickoff	10/15/2017
Phase I Complete	10/15/2017
Phase II Complete	10/20/2017
Phase III Complete	11/15/2017
Project Completion	12/30/2017

1.5 Strategic Alignment

This project directly inclines with the strategic plans of the university. As the University is already on the path of adding new courses and increasing the incoming student capacity, the new students will need a platform where they can connect with the existing students, alumni and other faculty members of the university. With the older system, this is not possible as there are multiple applications serving individual features and are not interconnected to a single platform. The new system will reduce the effort involved in all the above process making it more streamlined and resourceful to the students.

1.6 Cost Benefit Analysis

Action	Type	Description	First Year Costs *
Hardware Procurement	Cost	Initial investment for new application	\$5000
Development, Deployment and Training	Cost	Outsourced team to develop NEULife, deploy and train the users about the application	\$2000
University communities & Alumni Contribution	Savings	Since the application will be meant for the students, it will be supported by the student communities and also the alumni financially.	\$10000
Internal Cost Saving	Savings	Most of the development team comprises of students from the University, helping the university save substantially	\$30000 (estimated cost by the external development team \$10000 * 3 months)
Total Savings			\$33000

1.7 Alternatives Analysis

Following is the alternative analysis of options to be considered and the reasons for which it has been decided not to approach with it.

Alternative Solution	Reason for not selecting
Upgrade myneu portal with extended features and functionalities	The existing application is based on limited hardware resources and will not support increasing number of users. Moreover, it will affect its current functionalities and will require downtime during critical business hours

2. REQUIREMENTS

The document contains all business, User and functional requirements for the project.

2.1 Business Requirements

ID	Business Requirement Statement
B1	<ul style="list-style-type: none"> The purpose of "NEU Life- Student Forum " portal is to help Existing/Incoming students, Faculty and Alumni with all the basic information about - feedback related to Coursework, Faculty & Professors, transportation, accommodation and living. The Portal will provide the incoming students a means to communicate with existing students and alumni to discuss and inquire about relevant information like teaching content, career prospects and interact on a single platform.

2.2 User and Functional Requirements

ID	User and Functional Requirement Statements	BR	CI	ST
User Role	All Users except Vendors			
Goal U1	Interact with portal members for instant response			
U1.F1	The portal will provide an feature to chat with the members who are currently online on the portal	BR		
Goal U2	Provides the users a quick review of all the vital information related to life at University			
U2.F1	The portal will have a visualization / analysis in the statistics section which will exhibit all the vital information available in a summarized manner.	BR		
User Role	Professor			
Goal U1	Buy/sell Books or other information			
U3.F1	The portal will provide a feature to trade new or used products	BR		
Goal U2	Create thread and Posts			
U1.F2	The portal allows the users to the include posts and threads with their queries and opinions.	BR		
User Role	Vendors			
Goal U1	Endorse own brands/Products			

U1.F1	The portal allows the vendors to endorse their own products or brands to			
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2.3 Non-functional Requirements

ID	Non-functional Requirement Statements	BR	CI	ST
OPERATION Requirements: How well does the system perform for daily use?				
Access Security How well is the system guarded against unauthorized access? The extent to which the system is safeguarded against deliberate and intrusive faults from internal and external sources.				
N-ACS1	The user credentials are validated against their husky ID.	Y		
N-ACS2	User will have access to particular section of the web page as per their roles.			
Availability How dependable is the system during normal operating times? The degree to which users can depend on the system to be up (able to function) during "normal operating times."				
N-AVL1	The new system will be able to stay up and running at least 98% of the time.			
N-AVL2	Any downtime which would be due to maintenance or upgrades would be restricted to the time where the load on the portal is less.			
Efficiency How fast can it process? How many can be processed? How well does the system respond? The extent to which the software system handles capacity, throughput, and response time.				
N-EFC1	The portal must be able to serve at least three thousand users concurrently without crashing.			
N-EFC2	The portal will handle large quantities of data and a large number of users accessing the data at once			
Integrity How accurate and authentic are the data? The degree to which the data maintained by the software system are accurate, authentic, and without corruption.				
N-INT1	The content will be only posted by authenticated users.			
N-INT2	Admin validates the content posted by all the users.			
Reliability How immune is the system to failure? The extent to which the software system consistently performs the specified functions without failure.				
N-REL1	The server on which the portal is hosted is firewalled			
N-REL2	Relevant antivirus applications are installed.			
Survivability How resilient is the system from failure? The extent to which the software system continues to function and recovers in the presence of a system failure.				

N-SRV1	The system must effectively recover from a crash within ten minutes			
N-SRV2	The data is still in a consistent state accurate to 1 minute before the system crashes when the system returns.			
Usability How easy is it to learn and operate the system? The ease with which the user is able to learn, operate, prepare inputs, and interpret outputs through interaction with a system.				
N-USE1	Portal designed will be responsive to all devices like phone , tablets and laptops to access from all mediums			
N-USE2	The portal is self-explanatory and user friendly.			
REVISION Requirements: How easy is it to correct errors and add functions?				
Flexibility How easy is it to modify to work in as different environments? The ease with which the software can be modified to adapt to different environments, configurations, and user expectations.				
N-FLX1	The portal is flexible to build or develop any new functionalities or add features to their existing code environment.			
N-FLX2	With versioning it is easy to rollback to any previously functioning versions.			
Maintainability How easy is it to upkeep and repair the system? The ease with which faults in a software system can be found and fixed.				
N-MNT1	Proper error logging is maintained so as to track the bugs and errors in the system which all keeps the track of all the previous errors.			
N-MNT2	Users can report an error which can be monitored and fixed by the system admin.			
Scalability How easy is it to expand or upgrade the system's capabilities? The degree in which the system is able to expand its processing capabilities upward and outward to support business growth.				
N-SCL1	The system can be scaled up to multiple servers performing in a distributed environment which will allow distribution of workload.			
N-SCL2	The size of the database could be increased in the future so as to facilitate the system so that it can store more user information and their content.			
Verifiability How easy is it to show the system performs its functions? The extent to which tests, analysis, and demonstrations are needed to prove that the system will function as intended.				
N-VER1	The system will be tested on all the positive and negative scenarios to check the efficiency of the system.			

N-VER2	All the system will be tested with persona's whose reviews will be verified and cross checked and further analysis will be performed before release.			
TRANSITION Requirements: How easy is it to adapt to changes in the technical environment?				
Interoperability How easy is it to interface with another system? The extent to which the software system is able to couple or facilitate the interface with other systems.				
N-IOP1	The portal will be accessible across devices on all platforms and Operating systems. It will be platform independent as it will be developed in Java.			
N-IOP2	A version upgrade will not affect the application and neither its transition.			
Portability How easy is it to transport? The ease with which a software system can be transferred from its current hardware or software environment to another.				
N-POR1	The Application will require a system with basic hardware configuration and a Web browser. Any future upgrades will require the client machines to have similar configuration or above.			
N-POR2	The migration from one system to another will require a downtime of 1-2 hours to again be up and running.			
Reusability How easy is it to convert for use in another system? The extent to which a portion of the software system can be converted for use in another.				
N-REU1	Since the application is platform independent it can be accessed through a web browser by a user logging on from any device having a web browser.			

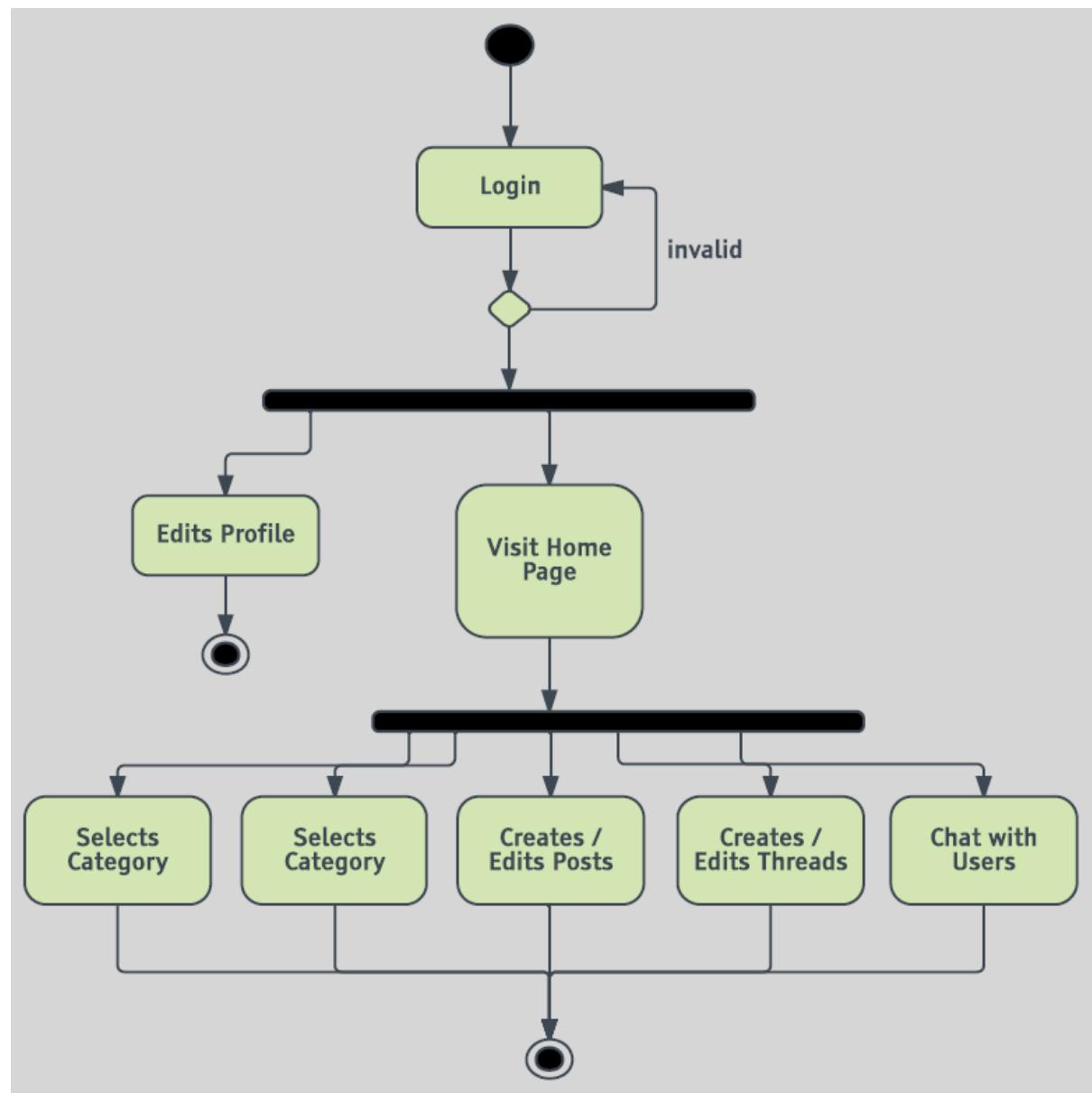
3. Diagrams & Process Flows

3.1 Use Case Diagram

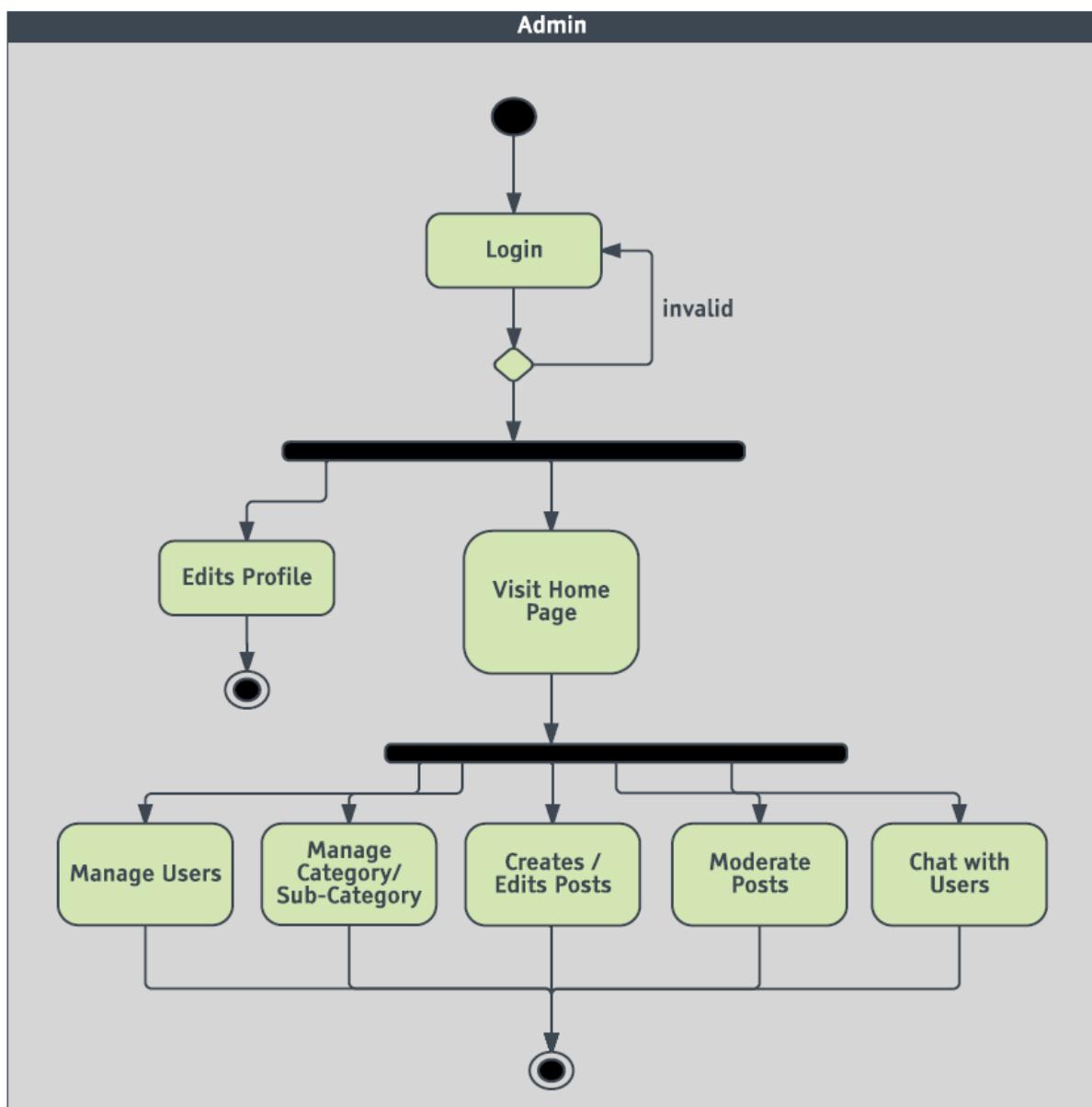


3.2 Activity Diagram

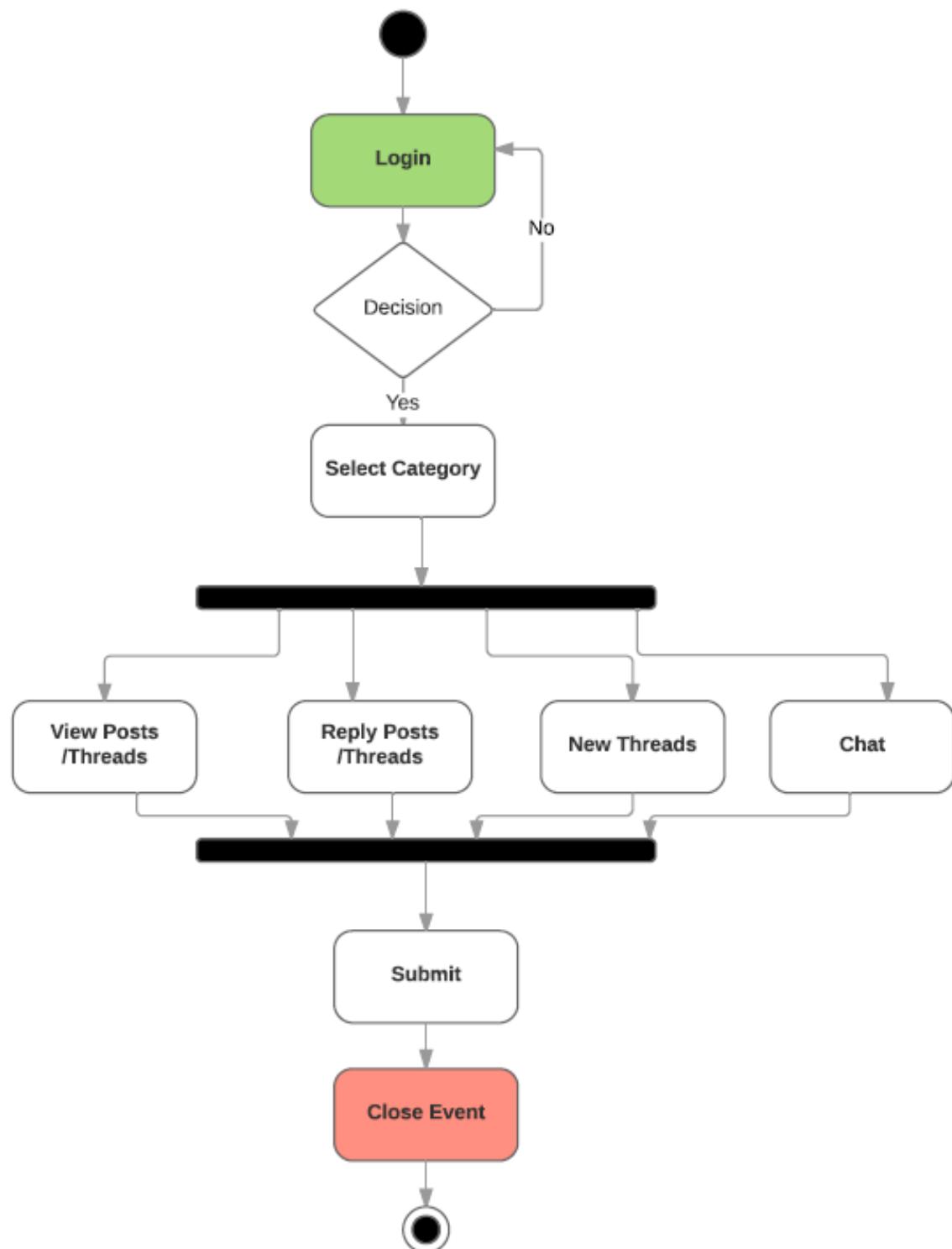
3.2.1 Students Activity Diagram



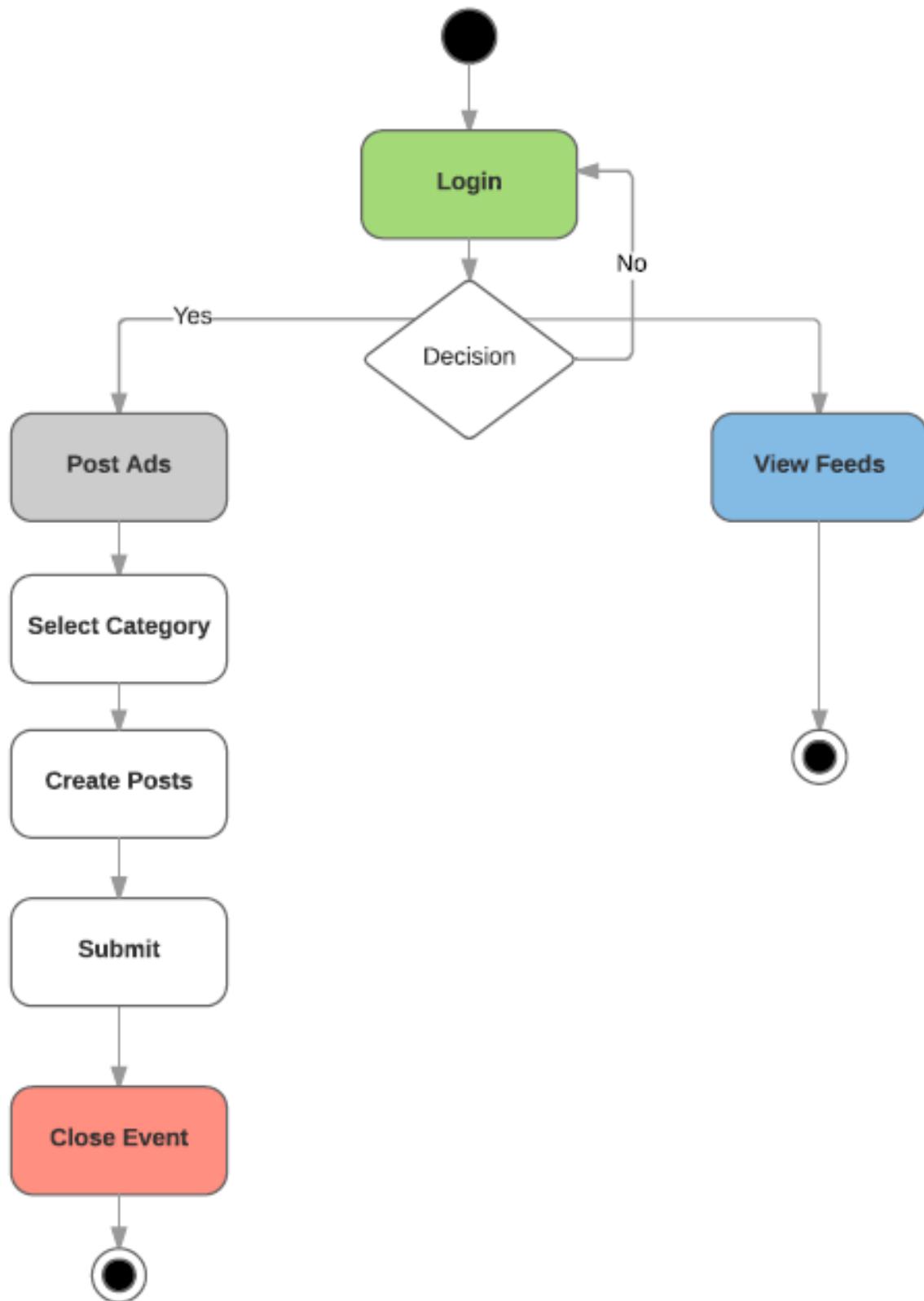
3.2.2 Admin Activity Diagram



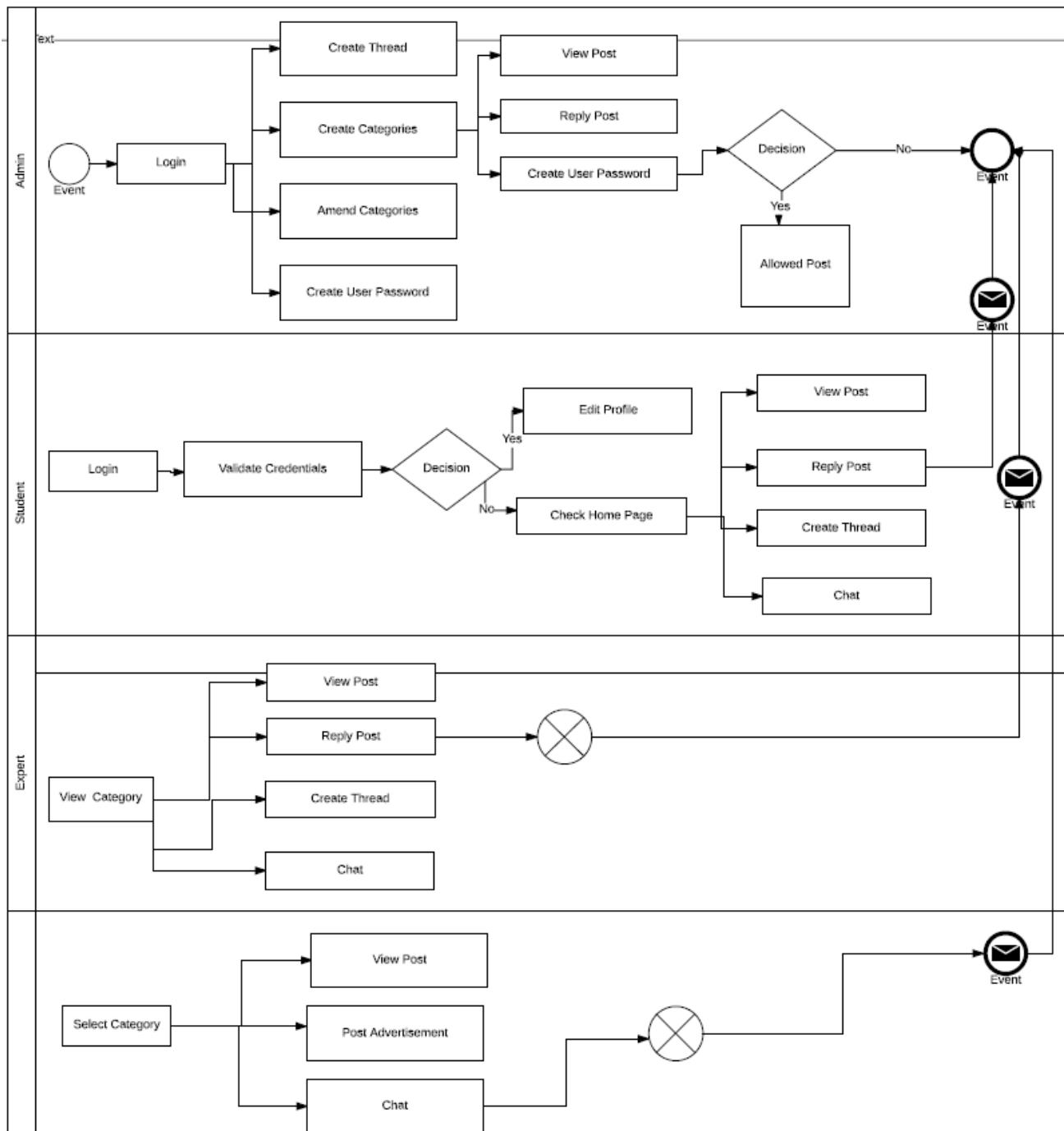
3.2.3 Experts Activity Diagram



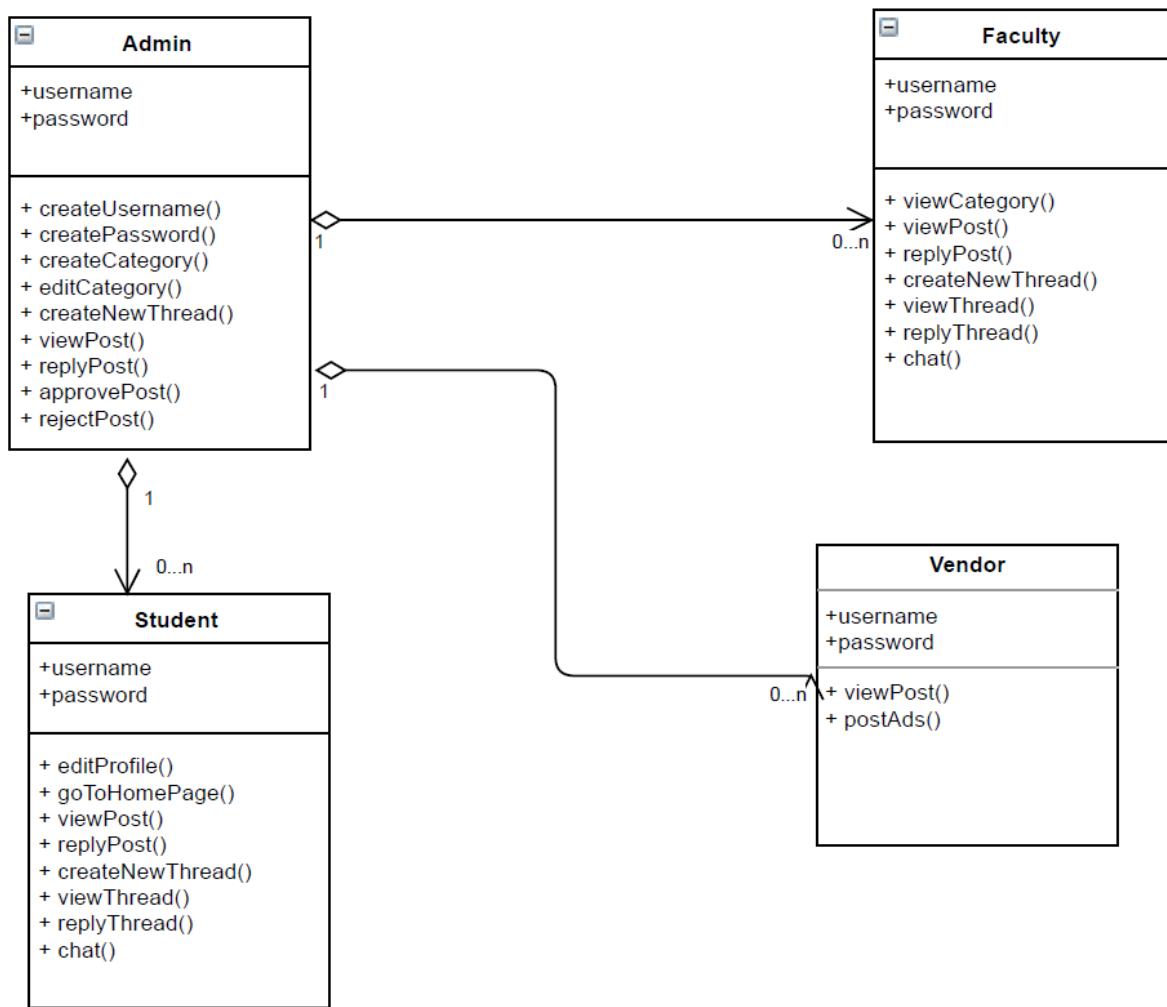
3.2.4 Vendor Activity Diagram



3.3 Process Flow Diagram (Swim Lane Diagram)



3.4 Class Diagram



4. Use Cases and Personas

4.1 Use Cases

4.1.1 Incoming Student Forum

This template to write a use case for helping a student sign up and get information about the following Feedback, Coursework, Faculty, Professor, Living, Accommodation etc. The system under design is a NEU Life Forum.

ID:	UC-1
Title:	Incoming Student Forum
Description:	Student accesses the system and views the activities where he got access to view or reply to a post also create a new thread. He also got a feature to chat with other members.
Primary Actor:	Student
Preconditions:	Student receives an admit in NEU
Postconditions:	Student gets the required information
Main Success Scenario:	<ol style="list-style-type: none"> 1. Student selects "Check Home Page" from the menu. 2. System displays list of activities available for the students. 3. Student selects one or more activities for which he needs information. 4. Student clicks "Submit" button. 5. System publishes posts/ thread for the selected activity.
Extensions:	<p>2a. Student can View a Post and a Thread</p> <ul style="list-style-type: none"> --- 2a1. System displays all the threads and the post that are related to that activity. --- 2a2. Student can view a particular post or a thread from any category from the dropdown. <p>2b. Student can Reply to a post or a Thread</p> <ul style="list-style-type: none"> --- 2b1. System displays message to a student he can reply to particular post or a thread from the selected category. <p>2c. Student can create a new Thread.</p> <ul style="list-style-type: none"> --- 2c 1. Student can create a new thread relating to any category or a sub category. <p>2d. Student can start a chat.</p> <ul style="list-style-type: none"> --- 2d 1. Student can chat with a professor or an alumnus this could be with regards to a personal chat about his course work. <p>5a. System displays the post/thread to all other users.</p> <ul style="list-style-type: none"> --- 5a 1. All other users can view the post and thread and can contribute to the post.
Frequency of Use:	A few times every week
Status:	Pending Review
Priority:	P1 - High

4.1.2 Admin Monitors the system

This template is to write a use case for an admin to monitor and grant access to the users also to make decision whether to approve or reject a post

ID:	UC-2
Title:	Admin Monitors the system
Description:	The admin here monitors the activities and allocates privileges to the users in the portal also he can create/edit category, create a new thread and also create login rights i.e. username and passwords for users.
Primary Actor:	Admin
Preconditions:	Admin Login to the system.
Postconditions:	Admin allocates rights, rules and monitors user's activities.
Main Success Scenario:	<ol style="list-style-type: none"> 1. Admin Login into the system. 2. System displays list of activities available for the Admin. 3. Admin selects one or more activities for which he needs to perform. 4. Admin clicks "Submit" button. 5. System posts the thread for the selected activity. 6. Admin validates a post or a thread.
Extensions:	<p>2a 1. All the available activities are displayed to the user. --- 2a 1. Admin can create a new thread and share information about a activity to the user.</p> <p>--- 2b 2. Admin can create/edit a category he is the only person who got the right to create a new category</p> <p>---2c 3. Admin can create username and password for all the users that are registered on the portal</p> <p>2a 2. Admin can view the post and reply to the posts. --- 6a1.Admin can validate the posts that he receives from the users and based on the validity and worthiness on the post he can approve or reject a post.</p>
Frequency of Use:	A few times every day
Status:	Approve/Reject Review
Priority:	P1 - High

4.1.3 Expert Management System

This template is to write a use case for an Expert to help the incoming students in their activities where he can reply, view and share information on any domain.

ID:	UC-3
Title:	Expert Management System
Description:	The experts here compromises of the Alumni, faculties and Professors who can help the incoming students in their activities by providing valuable insights and suggestions.
Primary Actor:	Experts
Preconditions:	Experts Login to the system.
Postconditions:	Experts provide insights to the students.
Main Success Scenario:	<ol style="list-style-type: none"> 1. Experts Login into the system. 2. System displays list of activities available for the Experts. 3. Experts selects one or more activities from the category. 4. Experts can View/ Reply/Create/Chat for any particular thread. 5. Experts clicks "Submit" button. 6. Admin validates a post or a thread.
Extensions:	<p>2a 1. All the available activities are displayed to the user. --- 2a 1. Experts can view a post and provide suggestion to a post via a reply option. --- 2b 2. Experts can create a new thread or can share a new forum where he can share valuable information's to the students. --- 2c 3. Experts can also chat with the other members in the portal via the chat option provided. 6a. Admin can view the post and validates the authenticity of the post.</p>
Frequency of Use:	A few times every day
Status:	Pending Posts
Priority:	P1 - High

4.1.4 Expert Management System

This template is to write a use case for a Vendor to help him get suggestion from all the users on his activities where he got a scope for improvement also he can post any advertisements which he would like to share with the users he can also consist of job recruiters.

ID:	UC-4
Title:	Vendor Management System
Description:	Vendor is the one who is associated to the university he can help the community by providing information and any other upcoming activities around the university.
Primary Actor:	Vendors
Preconditions:	Vendors Login to the system.
Postconditions:	Vendors provide insights to the students.
Main Success Scenario:	<ol style="list-style-type: none"> 1. Vendors Logs in into the system. 2. System displays the domain category for the vendor. 3. Vendor can View post related to his domain. 4. Vendor can Post ads on all the upcoming activities. 5. Vendor clicks "Submit" button. 6. Admin validates a post or a thread.
Extensions:	<p>2a 1. Vendors domain category is displayed. --- 2a 1. Vendor can view a particular post that is related to his domain a see for any suggestions related to the activity. --- 2b 2. Vendor can post ads on his any upcoming activities which can be viewed by all the users.</p> <p>6a. Admin can view the post and validates the authenticity of the post.</p>
Frequency of Use:	A few times every day
Status:	Pending Posts
Priority:	P2 - Medium

4.2 Personas

4.2.1 Student Persona

Megan Ray



Quick Learner **Team Player** **Organized**
Motivated

Goals

- Continue to learn and improve my developer skills.
- Balancing college and work
- Learn project management.

Motivation

Motivation Type	Score
Incentive	85%
Fear	75%
Growth	88%
Power	78%
Social	92%

Challenges

- Funding her education
- Building confidence to learn new skills
- Concerned about finding employment after college

Brands & Influencers



Contact Information

Email: ray.m@husky.neu.edu
Phone: 617-567-4563

Age: 23
Work: Student
Family: Single
Location: Boston, MA
Character: Software Engineer

Personality

Dimension	Score
Technical	Low
Thinking	Medium
Sensing	High
Judging	Medium
Analysis	High
Feeling	Low
Intuition	Medium
Perceiving	High

Bio

Being a graduate student in Boston, Megan expenses kept mounting. She desperately needed an extra source of income to fund his living expenses and graduate education. Affording this lifestyle would have been possible if she had a full-time job; which of course is possible only after the completion of her graduate education. Megan also owns a car that she purchased with a loan to help her travel to her internship at a company that is inaccessible by the local public transport. Megan is one of the many casual users who is in dire need of a product that would help him earn extra income on his time, terms and conditions.

4.2.2 Admin Persona

Brendon Rice
Xtensio



Organized

Responsible

Detail oriented

"Ambitious and Hard Working"

Age: 40
Work: Lead User designer
Family: Married
Location: San Francisco
Character: Responsible

Personality

Introvert	Extrovert
Thinking	Feeling
Sensing	Intuition
Judging	Perceiving

Goals

- To approve or reject requests from users
- To maintain security
- To provide credentials to new users
- Provide access rights to different level of users
- Moderate threads or posts from users

Motivation

Motivation Type	Score
Incentive	High
Fear	Medium
Growth	High
Power	Medium
Social	Medium

Bio

He is currently working as a Lead User Experience Designer at DocuSign in San Francisco. Before DocuSign, he worked as a Senior Product Designer at Citrix Systems in Santa Clara. He completed his Masters of Science in Information from University of Michigan School of Information. Before that he has worked as a consultant at IBM (1 year) and a User Experience Engineer for FICO and Composites Software Solutions (1 year each).

Be it the latest technology or the latest design innovation, he is always on top of things. His passion is to learn new skills. Currently, he is pursuing photography and learning to play the guitar. He is a responsible person and easily reachable for any assistance. He is well versed with the application.

Brands & Influencers



Contact Information

Name: Brendon Rice
Phone number: 657-432-8192

4.2.3 Professor Persona

Adam Taylor
Xtensio



"I am not tech savvy but I love what technology can do for me and my students!"

Age: 45
Work: Professor
Family: Single
Location: Boston, MA
Character: Skillful

Skill levels



Skill	Percentage
Big Data	30%
Data Cleaning	30%
Data Analytics	40%

Skills



Education



Category	Value
Traditional Ads	High
Online & Social Media	Medium-High
Referral	Medium-Low
Guerrilla Efforts & PR	Low

Personality

Dimension	Score
Introvert / Extrovert	Extrovert
Thinking / Feeling	Thinking
Sensing / Intuition	Sensing
Judging / Perceiving	Perceiving

Bio

Professor Adam Taylor, 45, currently teaches Information Design at the University of Michigan, Ann Arbor. Adam lives near campus with his wife of twelve years and their two children. He is a loving husband and father. He is also a passionate teacher and is always looking for ways to improve his lesson plans. This is Tim's 3rd year teaching Information Design in Ann Arbor. In addition, Professor Jones also teaches an entry-level creative writing course and volunteers at a local art foundation that helps underprivileged youths work on their reading and writing skills. Professor Jones is a very busy person who loves what he does and works very hard to ensure that he is a contributing member of his community. Image Source: Hemera Technologies/AbleStock.com/Getty Images.

4.2.4 Vendor Persona

Nicholas Lombardini
Xtensio



Business

hard worker

client relations

Goals

- Improve the timing to design surveys
- Review and extract info from previous surveys easily
- Raise sales and make impact on large number of students

Frustrations

- Writing the initial draft without any initial knowledge
- Waiting for feedback and ability to reflect the changes
- Conflicting inputs between manager and clients
- Fulfill student request

"I want to be able to easily contact all the people who bought my product"

Age: 53
Work: Vendor
Family: Married, kids
Location: Boston, MA
Character: Entrepreneur

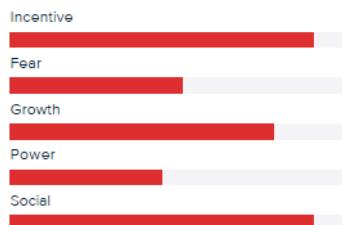
Contact Info

nick.lomb@gmail.com
874-999-5622

Bio

Nicholas is a marketing consultant. He lives in Boston, MA. He has a MBA degree in marketing. He works hard to achieve results soon. He worked in advertising for several years while maintaining two shops. Selling Customer paper products in one and custom neat wear in other.

Motivation

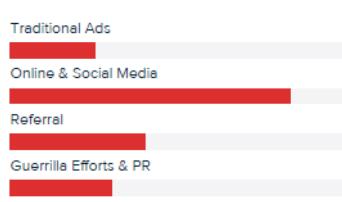


Motivation Type	Level
Incentive	High
Fear	Medium-High
Growth	Medium-High
Power	Medium-Low
Social	High

Common Platforms



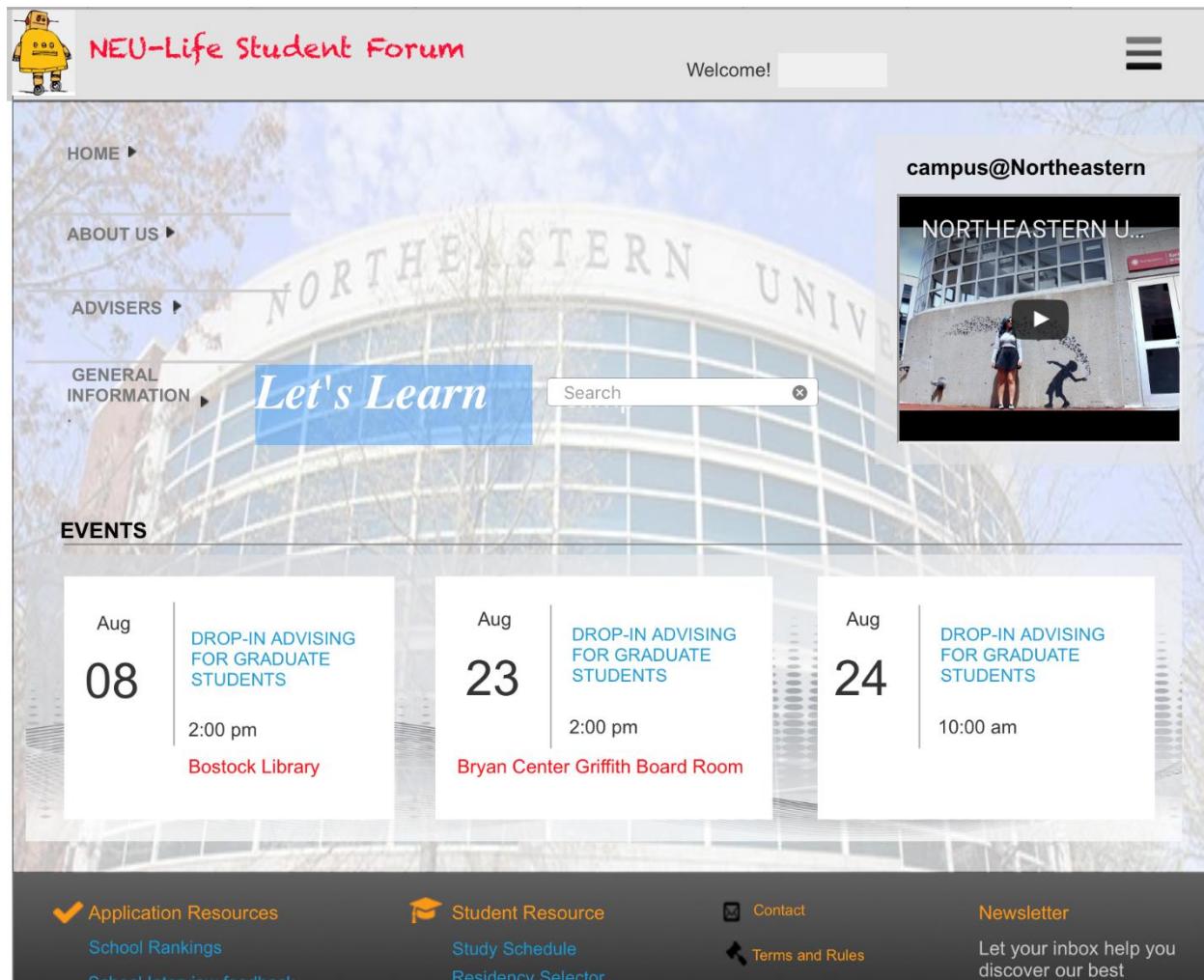
Preferred Channels



Channel Type	Level
Traditional Ads	Low
Online & Social Media	High
Referral	Medium-High
Guerrilla Efforts & PR	Low

5 UI Screenshots

Home screen:



The screenshot shows the homepage of the NEU-Life Student Forum. At the top left is a yellow cartoon character icon. Next to it is the text "NEU-Life Student Forum". To the right is a "Welcome!" button and a menu icon. The main background image is a large photograph of the Northeastern University building. On the left side, there's a vertical navigation bar with links: HOME ▶, ABOUT US ▶, ADVISERS ▶, and GENERAL INFORMATION ▶. A blue banner in the center says "Let's Learn". Below the banner is a search bar. On the right side, there's a video thumbnail titled "campus@Northeastern" showing two people on a campus. The bottom section features three event cards: one for Aug 08 at Bostock Library, one for Aug 23 at Bryan Center Griffith Board Room, and one for Aug 24 at Bryan Center Griffith Board Room. The footer contains links for Application Resources, Student Resource, Contact, Terms and Rules, and a Newsletter sign-up.

NEU-Life Student Forum

Welcome!

HOME ▶

ABOUT US ▶

ADVISERS ▶

GENERAL INFORMATION ▶

Let's Learn

Search

campus@Northeastern

NORTHEASTERN U...

Aug 08

DROP-IN ADVISING FOR GRADUATE STUDENTS

2:00 pm

Bostock Library

Aug 23

DROP-IN ADVISING FOR GRADUATE STUDENTS

2:00 pm

Bryan Center Griffith Board Room

Aug 24

DROP-IN ADVISING FOR GRADUATE STUDENTS

10:00 am

Application Resources

Student Resource

Contact

Terms and Rules

Newsletter

School Rankings

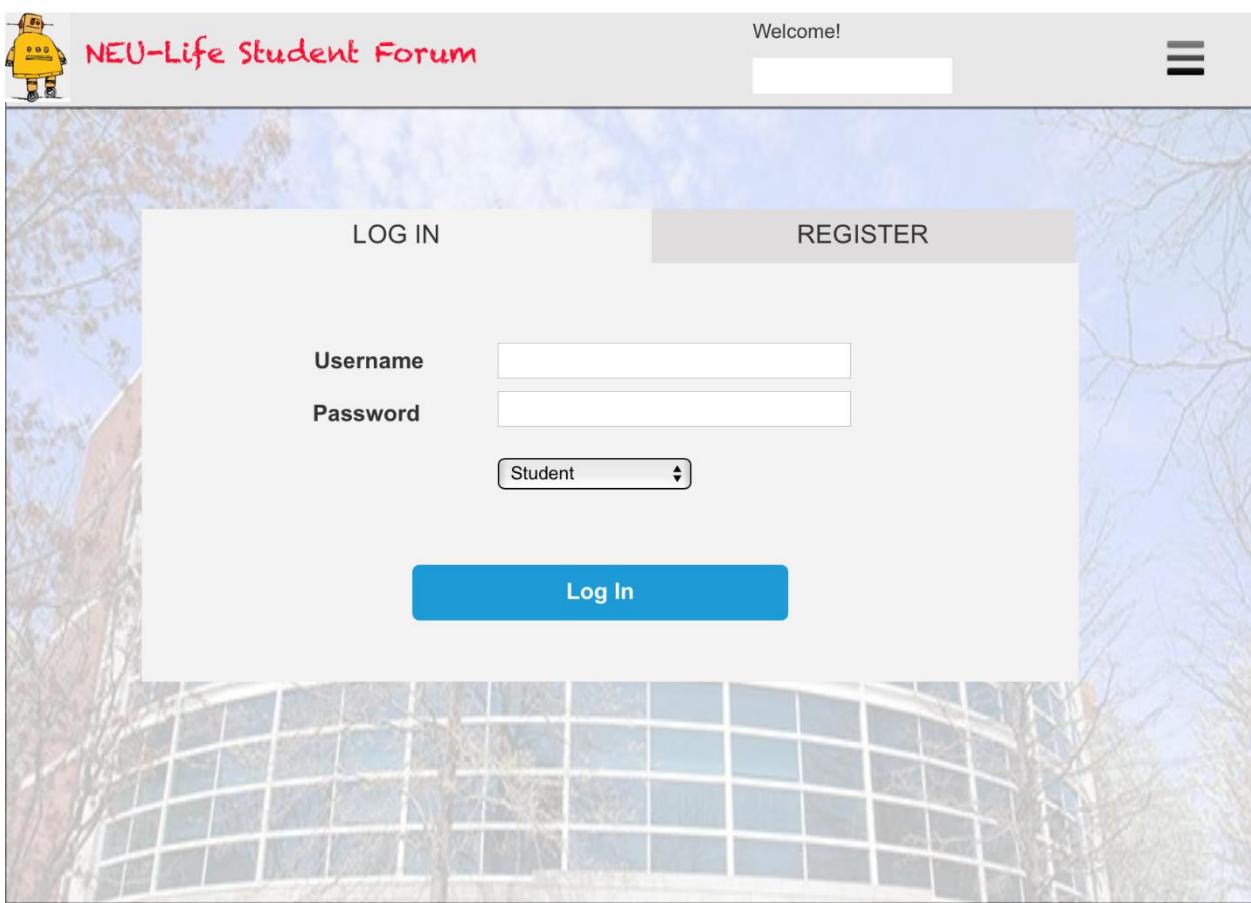
Study Schedule

Residency Selector

School Information Feedback

Let your inbox help you discover our best

Account Login:



Edit Profile:

Forums View Ads Teachers

Welcome!

Name

Age

Gender Male Female

Address

City

Country: United States

State

E-mail you@youremail.com Phone : 12125551212

Select Choose File florence-col...ful-face.jpg

Save My Pic

Using 0 of 500 possible characters

Edit Save

Admin Create User:

The screenshot shows a web application titled "NEU-Life Student Forum". At the top left is a yellow cartoon character icon. To its right is the text "NEU-Life Student Forum". On the far right, there is a "Welcome!" message, a user profile picture of a woman, and a three-line menu icon.

Below the header, there are three navigation links: "Forums", "View Ads", and "Teachers".

A large table displays a list of users with columns for Name, Course, Enrol Date, and Available. Each row has edit and delete icons. The data is as follows:

Name	Course	Enrol Date	Available
Rose Pierce	IS	2014-03-05	Yes
Johanna Wright	CSYE	2014-12-16	Yes
Francisco Cross	EM	2015-05-04	No
Agnes Martinez	EM	2013-11-09	Yes
Daniel Mandel	IE	2014-10-20	Yes
Edwin Brock	CS	2013-03-08	No
Cary Bennett	CS	2014-06-25	Yes
Raquel Padilla	CS	2013-05-22	Yes

To the right of the table is a "Add New Row" form with fields for Name, Course, and Enrol Date, and buttons for "ADD" and "CLEAR".

Admin Edit User:-

Welcome!

Forums View Ads Teachers

Name	User Role	Enrol Date	Available	
Rose Pierce	Student	2014-03-05	Yes	
Johanna Wright	Faculty	2014-12-16	Yes	
Francisco Cross	Student	2015-05-04	No	
Agnes Martinez	Alumni	2013-11-09	Yes	
Daniel Mandel	Student	2014-10-20	Yes	
Michael Casarez	Professor	2015-02-15	Yes	
Edwin Brock	Professor	2013-03-08	No	
Cary Bennett	Professor	2014-06-25	Yes	
Raquel Padilla	Student	2013-05-22	Yes	

Admin Manage User Request:

Welcome!  ≡

Forums View Ads Teachers

Create New User	Edit User	Manage User Request	View Requests
<input type="checkbox"/> Rose Pierce	New Thread	2017-03-05	Yes  
<input type="checkbox"/> Johanna Wright	New Category	2017-12-16	Yes  
<input type="checkbox"/> Francisco Cross	New Category	2017-05-04	No  
<input type="checkbox"/> Agnes Martinez	New Category	2016-11-09	Yes  
<input type="checkbox"/> Daniel Mandel	New Thread	2017-10-20	Yes  
<input type="checkbox"/> Michael Casarez	New Thread	2015-02-15	Yes  
<input type="checkbox"/> Edwin Brock	New Category	2017-03-08	No  
<input type="checkbox"/> Cary Bennett	New Category	2016-06-25	Yes  
<input type="checkbox"/> Raquel Padilla	New Thread	2017-05-22	Yes  

Add New Row

Name
Request
Request Date

ADD **CLEAR**

Filter Table by Availability

Yes No Both

Filter Table by Thread

All

Filter Table by Marked

Admin View Request:

The screenshot shows a web-based application for managing user requests. At the top, there's a header with a yellow robot icon, the text "NEU-Life Student Forum", "Welcome!", and a user name "anita". Below the header, there are navigation links: "Forums", "View Ads", and "Teachers". A main content area displays a table of user requests. The table has columns: Name, Category, Sub-Category, Request, and Remove Sort. One row is visible, showing a request from a user named "anita" in the "Accommodation" category under "Residential". The "Request" column contains the text: "Hello can I create a test". To the right of this text are edit and delete icons. The background of the page features a large, curved building with many windows, identified as Northeastern University.

Name	Category	Sub-Category	Request	Remove Sort
<input type="checkbox"/> anita	Accommodation	Residential	Hello can I create a test	

View Ads:

The screenshot shows the homepage of the NEU-Life Student Forum. At the top, there is a header with a yellow robot icon, the text "NEU-Life Student Forum", a "Welcome!" message, a user input field containing "anita", and a menu icon. Below the header, there are three navigation links: "Forums", "View Ads" (which is currently selected), and "Teachers". A large banner in the center features the text "Let's Make" over a background image of students sitting on grass. To the right of the banner are buttons for "EDIT PROFILE", "SUBMIT REQUEST", "CREATE POST", and "CHAT". Below the banner, there are five thumbnail images of TV commercials:

- A laptop screen displaying a Spider-Man: Homecoming commercial.
- A person standing on a reflective surface with a laptop.
- A person walking on a path with a laptop, with text overlay "In-Flight Entertainment Expert - commercial air".
- A dessert topped with cherries.
- A close-up of a food item.

Below each thumbnail, there is a caption:

- Dell Inspiron 15 7000 Gaming TV Spot, 'Spider-Man: Homecoming'
- Dell XPS 13 2-in-1 TV Spot, 'Laptop With InfinityEdge Display'
- Dell XPS 13 2-in-1 TV Spot, 'Display'

Teachers:

Forums
View Ads
Welcome!
Teachers

anita



RESEARCH INTERESTS
My research areas are Programming Languages and Software Engineering. I am particularly interested in the use of program analysis in tools that help make programmers more productive and reliable.

EDUCATION
PhD, University of Amsterdam

BIOGRAPHY
Frank Tip is a Professor at the College of Computer and Information Sciences. He received a PhD from the University of Amsterdam in 2002. His research interests include software engineering, programming languages and automated program repair, data-centric synchronization, and web interdisciplinarity.

Prior to joining Northeastern, Frank served as Senior Principal Engineer at Samsung Research America in Mountain View, California from 2014 to 2016. Prior to that, he was a Research Staff Member and Manager at the IBM T.J. Watson Research Center from 1995 to 2012.

People

SCALING TO MEET GROWING DEMANDS
The rise of computer science begets the need for more—and more diverse—expertise. CCIS answers the call with highly talented faculty and dedicated advisors, coordinators, and staff.

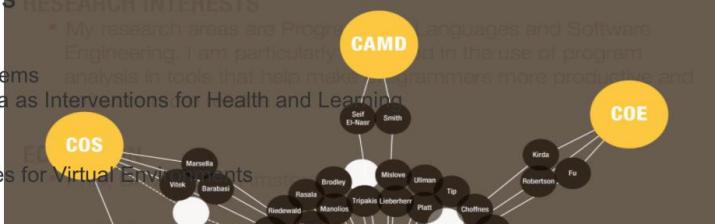
- PhD, University of Amsterdam

BIOGRAPHY
65% 40% 28%
increase in tenure-track faculty over the past four years
expected growth in tenure-track faculty over the next four years
of current tenure-track faculty are interdisciplinary with other colleges

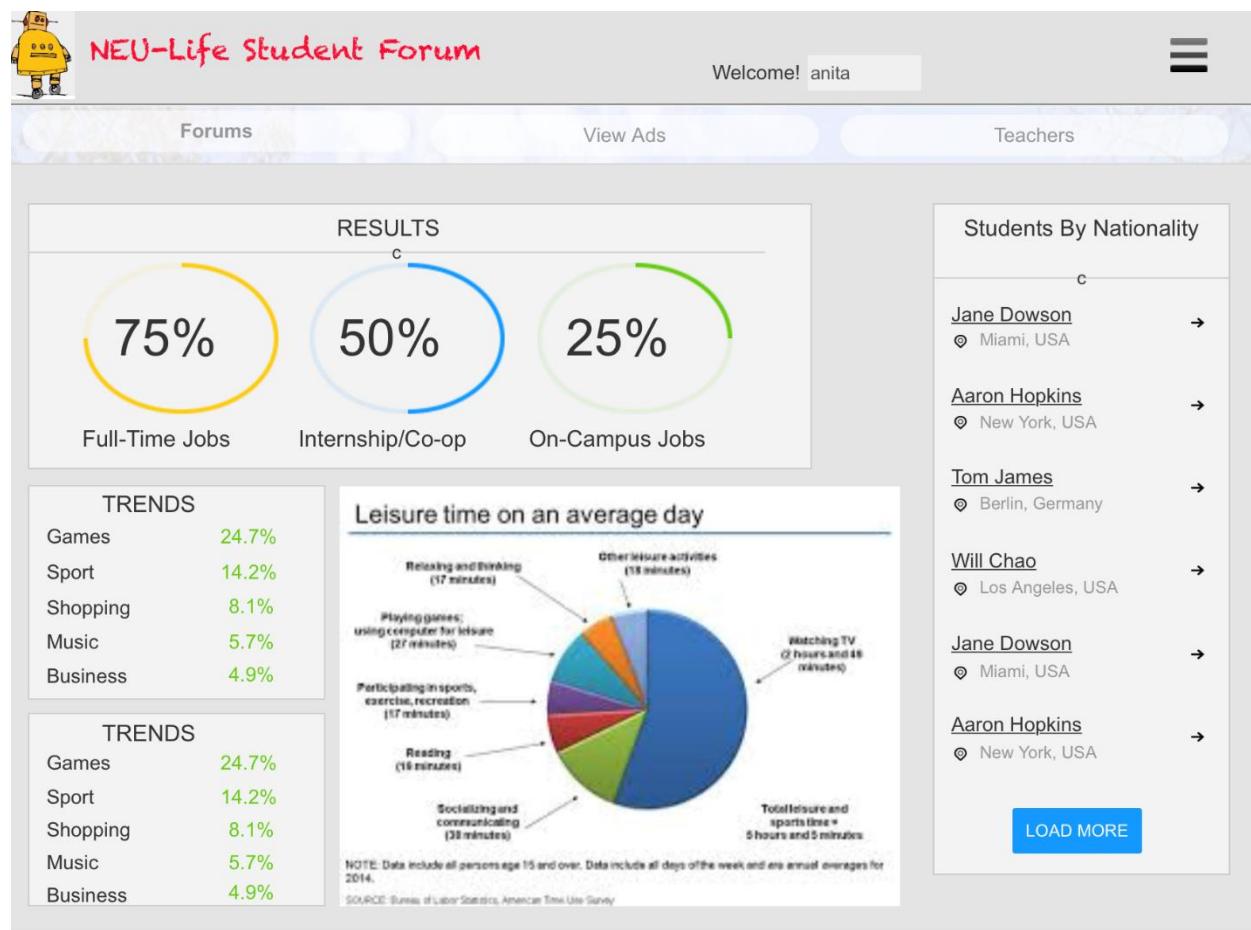
Prior to joining Northeastern, Frank served as Senior Principal Engineer at Samsung Research America in Mountain View, California from 2014 to 2016. Frank also served as a Professor and Cheriton Research Chair in the

INTERDISCIPLINARY FACULTY

RESEARCH INTERESTS
Artificial Intelligence
Virtual Environments
Intelligent Adaptive Systems
Games and Social Media
Believable Characters
Interactive Narratives
Evaluation Methodologies for Virtual Environments
Games Research
Game Analytics



Dashboard:



Contact Us:

 NEU-Life Student Forum

Welcome! anita 

Northeastern University

Located in Boston, Massachusetts

Contact Information

Start of Fall Term 2017

The Office of the Registrar (271 Huntington Avenue) maintains special office hours August 22 through September 4.

Walk-In Location
271 Huntington Avenue

Office Hours
Monday through Thursday—8:00 a.m. to 6:00 p.m.
Friday—8:00 a.m. to 5:00 p.m.

Mailing Address
Northeastern University
ATTN: Office of the Registrar, 230-271
360 Huntington Avenue
Boston, MA 02115-5000



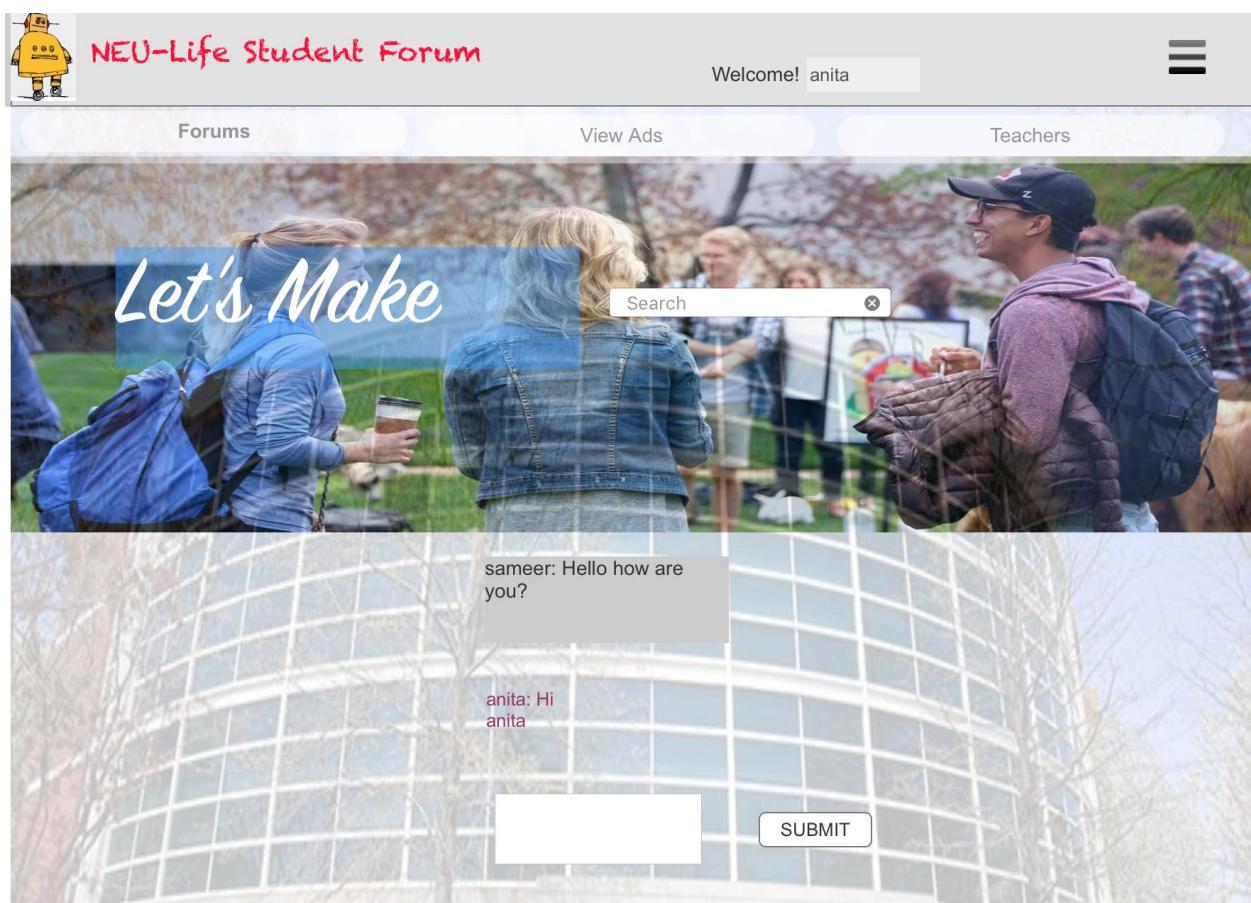
View larger map 

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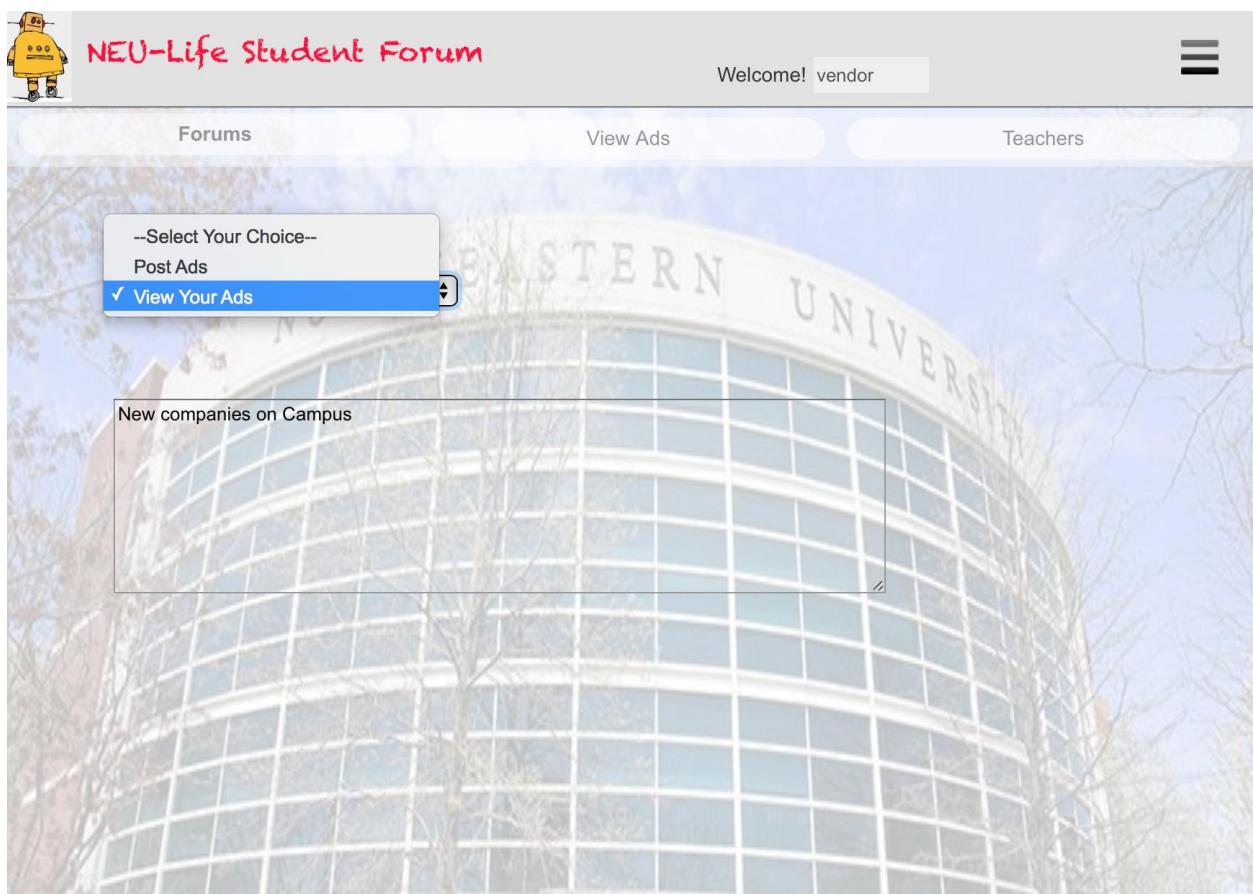
School Rating:

The screenshot shows a web page for the NEU-Life Student Forum. At the top left is a yellow cartoon robot icon. Next to it, the text "NEU-Life Student Forum" is displayed in red. To the right, there is a "Welcome! anita" message and a three-line menu icon. The main title "Northeastern University" is prominently displayed in large black letters, with the subtitle "Located in Boston, Massachusetts" underneath. Below the title, a paragraph discusses the university's ranking: "Northeastern University Ranked #144? We understand that it is difficult for a ranking to capture the full spectrum of an institution's quality and its contribution to an individual or society. However, we have developed our own ranking system to identifies U.S. colleges that provide good value. Here's a glimpse of how Northeastern University fared on our ranking system:". A bulleted list follows, detailing various metrics: "Performed Above Average", "Acceptance Rate: 28.5 percent (top 10%)", "Retention Rate (full-time): 97 percent (top 10%)", "Endowment: \$37,285 United States dollars / student (top 30%)", "Average SAT: 2110 (top 10%)", "Average ACT: 32 (top 10%)", "Median Salary 10 Years Post-Enrollment: \$61,700 USD (top 10%)", and "Research Expenditure: \$5,125 United States dollars / student (top 20%)". At the bottom of the page, there are two buttons: "See all Colleges and Universities" and "Calculate my chances".

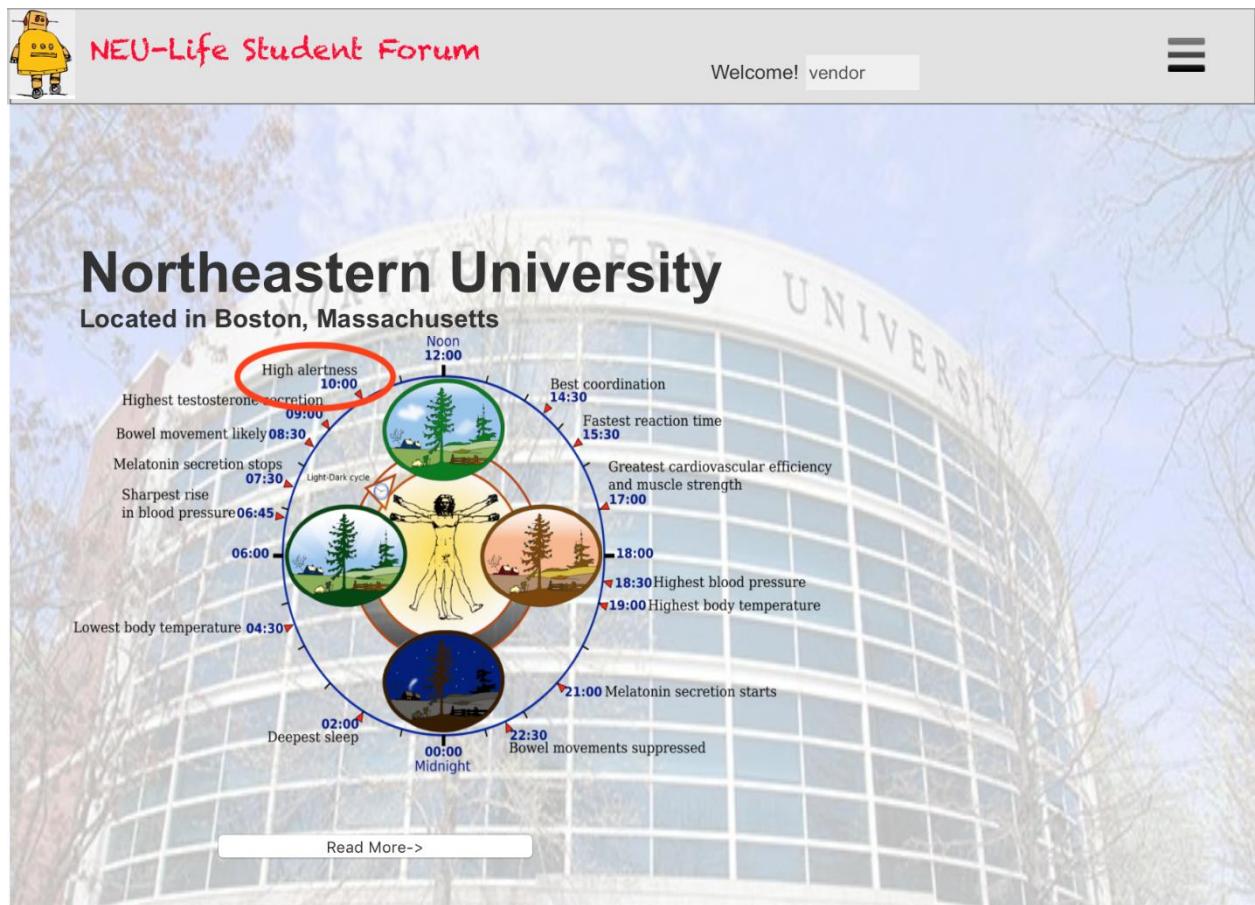
Chat Box:



Vendor:



Study Schedule:



Student Screen:

The screenshot shows the homepage of the NEU-Life Student Forum. At the top, there is a navigation bar with a cartoon character icon, the text "NEU-Life Student Forum", "Welcome!", "vendor", and a menu icon. Below the navigation bar are three buttons: "Forums", "View Ads", and "Teachers". A large banner image features students sitting on grass in front of a brick building, with the text "Let's Make" overlaid. To the right of the banner are links for "EDIT PROFILE", "SUBMIT REQUEST", "CREATE POST", and "CHAT". Below the banner, there is a section titled "Featured" with a thumbnail for "Easy Magnetic Grocery List" by mikeasaurus in Organizing. To the right of this are two more sections: "Updates@NEU" and "How to Book a Cab in Uber?". At the bottom, there is a footer with links for "Application Resources", "Student Resource", "Contact", "Newsletter", "School Rankings", "Study Schedule", "Residency Selector", "Terms and Rules", and "Discover NEU".

Create Post for Accommodation:

The screenshot shows the NEU-Life Student Forum homepage with a search bar containing "vendor". On the right, there are links for "EDIT PROFILE", "CREATE CATEGORY", "CREATE POST", and "CHAT". The main content area features a banner with the text "Let's Make" and a "Create Post" button. Below this, a post from user Joyce C asks for recommendations on the closest apartments near NEU campus. Joyce C is described as an Indian newcomer looking for safe places to live in Huntington and places close to Northeastern University. She prefers places within walking distance. A reply from another user suggests the Brookline-Longwood-Fenway area, mentioning a recent purchase next door to Northeastern on the Fenway. The interface includes dropdown menus for Category (Accommodation) and Sub-Category (Residential), rating options, and a "Post" button.

Welcome!

vendor

EDIT PROFILE

CREATE CATEGORY

CREATE POST

CHAT

Create Post

Category Accommodation Sub- Category Residential

ACCOMMODATION The closest apartments near NEU campus?

Joyce C Hello Folks I am an Indian who is heading to Northeastern University. I am looking for safe places to live in Huntington and places close to my University. I would prefer places which are at a walking distance from my University.

Can anyone guide me and help me in finding a place?

Rate this post positively ★★★★★

Quote Show Replies

hello

I'm a newcomer myself, but I've been looking in the Brookline-Longwood-Fenway area for a long time and just bought a condo that is literally next door to Northeastern on the Fenway. Longwood is a bit more expensive; it doesn't seem to have a lot going on except where South End comes into LMA at Brigham Circle. By the time you move to Northeastern/NASA/Fenway, things become a lot more interesting and

Create Post for Courses:

NEU-Life Student Forum

Welcome!
vendor

Category: Courses Sub- Category: College of Engineering Information System

Scholarships

- Double Husky Scholarship
- Parent and Family Scholarship
- Fellowship Opportunities
- Military/Yellow Ribbon

How to Apply

- Applying as an International Student
- Application Process



Application Checklist
Find out the steps you need to take to apply to your desired program.

Boston	Full-Time Part-Time	2-3 Years	Classroom
LOCATION	COMMITMENT	DURATION	PROGRAM FORMAT

Create Post for Sub-Let:

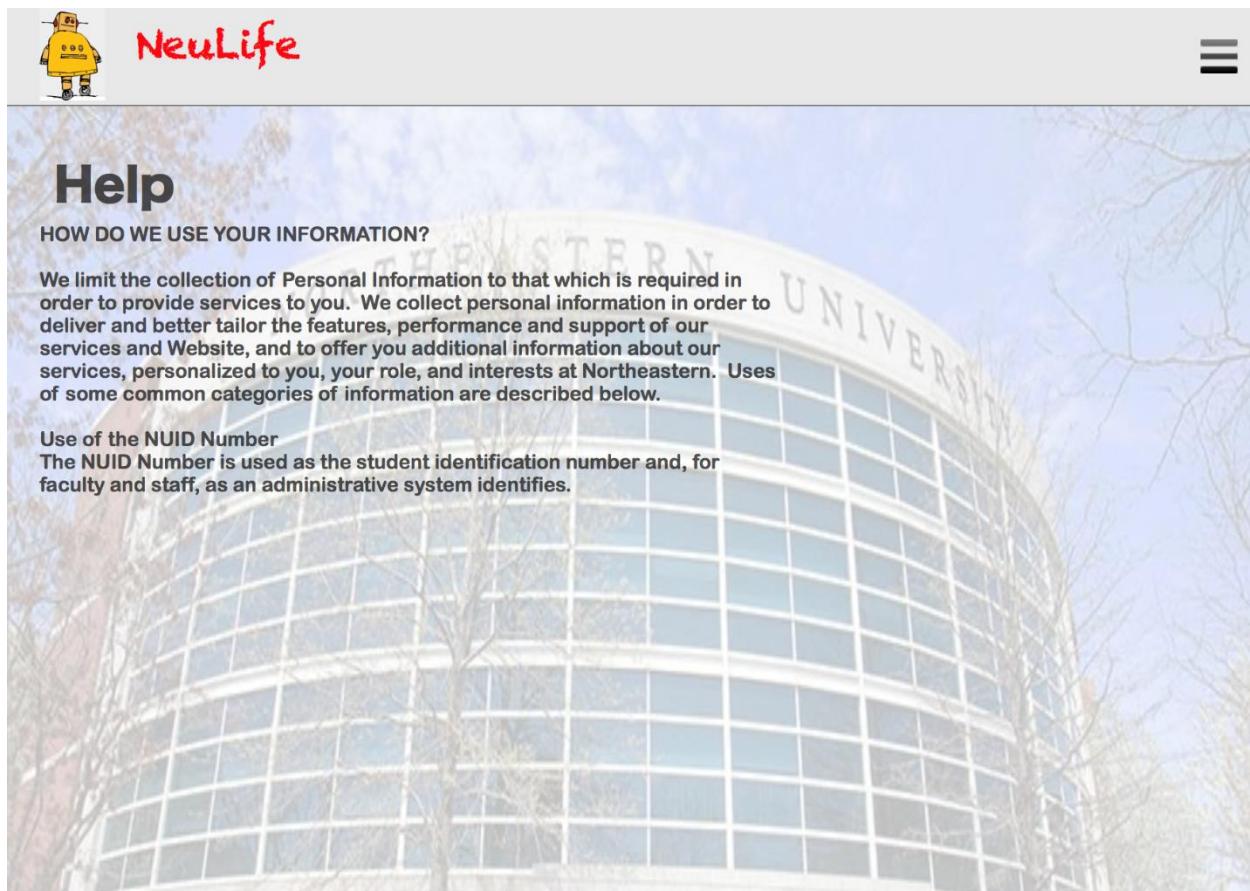
The screenshot shows the NEU-Life Student Forum homepage with a banner featuring a yellow cartoon character and the text "NEU-Life Student Forum". The top right corner displays a welcome message "Welcome!" and a search bar with the placeholder "vendor". On the far right, there are links for "EDIT PROFILE", "CREATE CATEGORY", "CREATE POST", and "CHAT". Below the banner, the main content area has a title "Create Post". It includes dropdown menus for "Category" (set to "Accommodation") and "Sub- Category" (set to "Residential"). A blue button labeled "Create a Thread" is visible. Two posts are listed. The first post, by a user with a blonde profile picture, says: "Hi! I am looking to sublet a private bedroom in a two bedroom apartment with a roommate in the living room from August 14th to August 31st at South End Boston. The rent is \$700 including wifi, electricity and water. Please let me know asap if anyone is interested." The second post, by a user with a dark profile picture, says: "\$480 1 FULLY-FURNISHED AUGUST SUBLET IN 4-BED APARTMENT". Below these posts is another one with a thumbnail image of an interior space and the text: "\$1800 / 1br - Studio Now available for Sublet In Boston (Mission Hill)".

Expert:

The screenshot shows a web-based forum interface titled "NEU-Life Student Forum". At the top, there's a header with a yellow robot icon, the forum name, a "Create Post" button, and user information like "Welcome!" and "vendor". Below the header are navigation buttons for "View Post", "Create Thread", and "Rating". There are dropdown menus for "Category" (set to "Accommodation") and "Sub- Category" (set to "Residential"). The main content area displays four posts in a grid:

- Your next Spotify suggestion could come from Facebook Messenger ★★★★★
- Gaming chat app shuts down alt-right server, bans racists and neo-Nazis ★★★★★
- 5 trending topics to get you through the a.m. slump ★★★★★
- This snake-like robot can destroy radioactive objects with a laser ★★★★★

Help:



The background of the page features a photograph of a modern university building with a large, curved glass facade. Above the glass, the words "NORTHEASTERN UNIVERSITY" are written in a large, serif font. Bare trees are visible in front of the building against a clear sky.

NeuLife

Help

HOW DO WE USE YOUR INFORMATION?

We limit the collection of Personal Information to that which is required in order to provide services to you. We collect personal information in order to deliver and better tailor the features, performance and support of our services and Website, and to offer you additional information about our services, personalized to you, your role, and interests at Northeastern. Uses of some common categories of information are described below.

Use of the NUID Number
The NUID Number is used as the student identification number and, for faculty and staff, as an administrative system identifies.