
WEB & INFORMATION SYSTEMS WEBSITE PROJECT

IS373

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Project Briefing

Purpose of the project

This webpage is created for all students studying Web and Information Systems to help recruit their fellow students in the same program here at NJIT. It will act as a networking platform for students who are currently in the program and the alumni. Alumni will be able to share their experience and as to what they did to get into this stage. Creating the WIS website for a single major helps many students to focus on the types of jobs made for them and will make them focus more on what they have to do for the targeted goal to be reached. Some other objectives of this website are as follows:

Objectives

- Help alumni and students currently studying have a platform for networking
- Let students get a better understanding of the steps to take to reach the final goal
- Showing a different platform for students to be recruited from belonging to this particular major
- Helps recruiters find the right major students all at one place
- Link all WIS students together
- Engage alumni for alumni events and career opportunities

Key Performance Indicators

- Average time spent on page
- New and returning visitors
- Pages viewed per session
- Session duration
- Scroll Depth

Project Process

- Content Inventory
- Gap Analysis of Content
- Information Architecture
- Wireframes
- CMS Selection + Evaluation
- Project Development

System Features

- Content Inventory
- Gap Analysis of Content
- Information Architecture
- Wireframes
- CMS Selection + Evaluation
- Project Development

Content Strategy

Audience

Prospective Students

high school students or current university students who are unaware of the WIS program

- **Awareness**
 - Tutorials on the main content, social media advert. Promotions, google adds etc.
 - High School students - fliers in mail, emails, high school visits, NJIT open house
 - College students - campus postings, advisor emails, info sessions
- **Interest**
 - Encourage students to stay updated on WIS via emails, mailing lists, etc. that provide info regarding the program
 - IS educational programs provided by NJIT and how each one of them help succeed in the field of UI/UX as well as
- **Decision**
 - Videos/resources showing off WIS alumni success
 - persuade people to enroll in NJIT

- **Action**
 - Forms to switch majors
 - Sign up for tours of the school or newsletter. Contact the school for more information
- **Retention**
 - Keep users updated with relevant and new career resources

Current Students

Students currently enrolled in the WIS program and can take advantage of course resources

- **Awareness**
 - Professors and advisors share by word of mouth, emails
 - NJIT email, flyers around all the buildings, social media posts, tabling, announcements through corp. app and Highlander Pipeline.
- **Interest**
 - Professors provide relevant course tutorials on website
 - Curriculum and class schedules posted, course overview videos, networking and peer advising opportunities
- **Decision**
 - Get students to connect to people who took the same path as them and to gain any opportunity for future career advice and to know how to manage their academic career.

- **Action**
 - RSVP to any of the events created by alumni. Sign up for peer advising and mentoring programs.
- **Retention**
 - Keep users updated with relevant and new career resources

Alumni

WIS graduates who can provide insight and guidance to WIS students/prospects

- **Awareness**
 - email/phone call
- **Interest**
 - Monetary incentive
 - Host awards ceremony for alumni, hall of fame page
- **Decision**
 - Contributions to the school and the students in the major
- **Action**
 - Share experiences and career advice
 - Enroll in different programs to speak to students, encourage students to achieve their degree/career and share the potential struggles and solutions to overcome them
 -
- **Retention**
 - Event calendar to keep alumni in the loop

Content Inventory

Level 0	Level 1	Level 2	Level 3	Navbar Title	Page Title	Files	Owner	
0	0	0	0	WIS home page	Welcome to Web and information systems		N/A	
1	0	0	0	Technologies	Technologies		N/A	
1	1	0	0	GIT	Git		N/A	https://github.com
1	1	1	0	Github	Github		N/A	https://github.com
1	1	2	0	Gitlab	Gitlab		N/A	https://gitlab.com
1	2	0	0	Languages PHP	Languages		N/A	https://www.php.net
1	2	1	0		Hypertext processor		N/A	
1	2	1	1	Composer	Composer		N/A	
1	2	2	0	Python	Python		N/A	https://www.python.org
1	2	3	0	Visual Studio	Visual Studio		N/A	https://visualstudio.microsoft.com
1	2	4	0	JavaScript	JavaScript		N/A	https://www.javascript.com
1	2	4	1	Node.js	Node		N/A	https://nodejs.org
1	2	5	0	C#	C Sharp		N/A	https://docs.microsoft.com/en-us/dotnet/csharp/
1	2	6	0	HTML	HyperText Markup Language		N/A	https://www.w3.org/html/
1	2	6	1	Bootstrap	Bootstrap		N/A	https://getbootstrap.com/
1	2	6	2	Jekyll	Jekyll		N/A	https://jekyllrb.com/
1	3	0	0	CMS and Frameworks	CMS and Frameworks - CMS		N/A	
1	3	1	0	Drupal			N/A	https://www.drupal.org/
1	3	2	0	Wordpress	Wordpress - CMS		N/A	https://www.wordpress.org/
1	3	3	0	Laravel	Laravel - Framework		N/A	https://laravel.com/
1	3	3	1	Blade	Blade		N/A	https://laravel.com/docs/blade
1	3	4	0	Django	Django - Framework		N/A	https://www.djangoproject.com/
1	4	0	0	Containerization docker	Containers		N/A	
1	4	1	0		Dockers - Container manager		N/A	https://docs.docker.com/
1	4	2	0	Kubernetes	Kubernetes - Google		N/A	https://kubernetes.io/
1	4	3	0	AWS	AWS - Amazon		N/A	https://aws.amazon.com/
1	4	4	0	Azure	Azure - Microsoft		N/A	https://azure.microsoft.com/
1	5	0	0	Developer Tools JetBrains	Dev Tools		N/A	
1	5	1	0		Jetbrain		N/A	https://www.jetbrains.com/
1	6	0	0	Blockchain	Blockchain			
1	7	0	0	Artificial Intelligence	AI			
1	8	0	0	SQL	SQL			
1	8	1	0	mySQL	mySQL			
2	0	0	0	Courses		Hub	N/A	
2	1	0	0	IS 601	Web System Development	Articles	Courses	
2	2	0	0	IS 421	Advanced Web Applications	Articles	Courses	
2	3	0	0	IS 373	Content Management Systems	Articles	Courses	
2	4	0	0	IS 350	Computers, Society and Ethics	Articles	Courses	
2	5	0	0	IS 333	Social Network Analysis	Articles	Courses	
					Mobile Applications: Design, Interface, Implementation			
2	6	0	0	IS 322		Articles	Courses	
2	7	0	0	IS 265	Introduction to Information Systems	Articles	Courses	
2	8	0	0	IS 247	Designing the User Experience	Articles	Courses	
2	9	0	0	IS 219	Advanced Website Development	Articles	Courses	
2	10	0	0	IS 218	Building Web Applications	Articles	Courses	
2	11	0	0	IS 117	Introduction to Website Development	Articles	Courses	
3	0	0	0	Skills learned overview	Degree Skills		N/A	
3	1	0	0	Object oriented programming	OOP		N/A	
3	2	0	0	Automation	Automation			
3	2	1	0	Software Automatic testing	testing Software		N/A	
3	3	0	0	Don't Repeat Yourself	DRY		N/A	
3	4	0	0	Software Development Life Cycle Waterfall model	SDLC		N/A	
3	4	1	0		Waterfall model		N/A	
3	4	2	0	Iterative Model	Iterative Model		N/A	
3	4	3	0	Spiral Model	Spiral Model		N/A	
3	4	4	0	V-Model	V-Model		N/A	
3	4	5	0	Big Bang Model	Big Bang Model		N/A	
3	5	0	0	Continuous integration	Continuous integration			

WEB & INFORMATION SYSTEMS - Website Project

4	0	0	0	Careers	Careers page		N/A	
4	1	0	0	Careers possibilities & opportunities	Careers possibilities		N/A	
4	2	0	0	Job board	board		N/A	
4	3	0		Job Hunting Tips				
4	4	0		Job board				
4	5	1	0	careers external resources	career resources		N/A	
4	5	2	0	training and certifications	professionals resources		N/A	
4	5	3	0	Indeed				
4	6	0	0	Internship Forum				
5	0	0	0	Faculty	Faculty		N/A	
5	1	0	0	W3Schools			N/A	
5	2	0	0	IS Concepts				
5	3	0	0	Scheduling Assistance	Set up meetings			
5	4	0	0	Deadline Central	Information			
5	5	0	0	Tutoring	Set up meetings			
5	6	0	0	Alumni Resources	Hub			
6	0	0	0	Continue education	Continue education			
6	1	0	0	Student Stories	Curated stories			
7	0	0	0	Help and Contacts	Faculty contacts		N/A	

Site Structure

GitHub Pages:

<https://ak2254.github.io/WIS-SITEFlow/WIS-SiteFlow/index.html>

GitHub code:

<https://github.com/ak2254/WIS-SITEFlow>

Website Wireframe

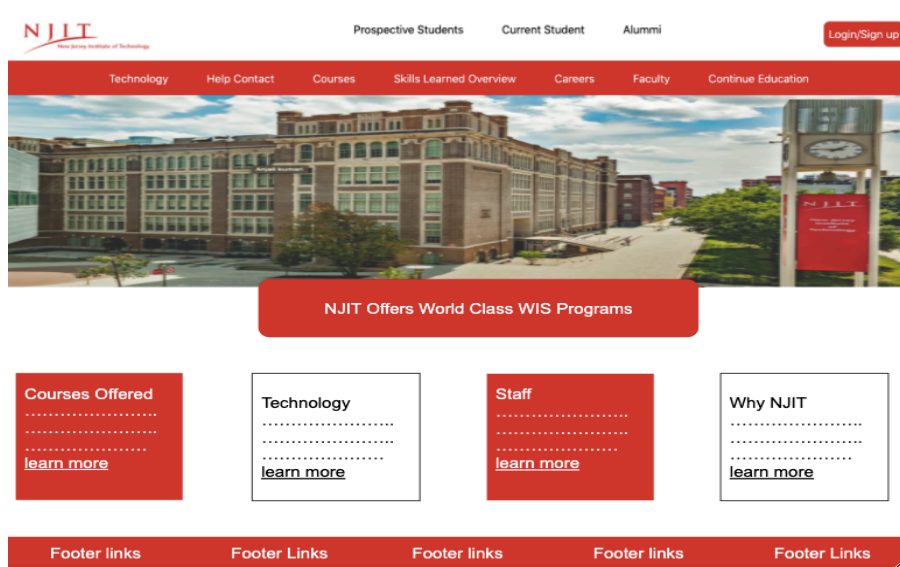
Raw Wireframe structure #1:

Branding	Primary Links
Secondary Links / Notices or Errors	
<div>Event Title Event Date and Time Date: <date> <Time> Created on: <Date> Created by: <username> Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text Event Description Full Text <div>Signup Button</div></div>	<div>Tertiary links / Content</div> <div>Whos Going? Event Link 1 Event Link 2 Event Link 3 Event Link 4</div> <div>Related Events Event Link 1 Event Link 2 Event Link 3 Event Link 4</div>
Footer Links	

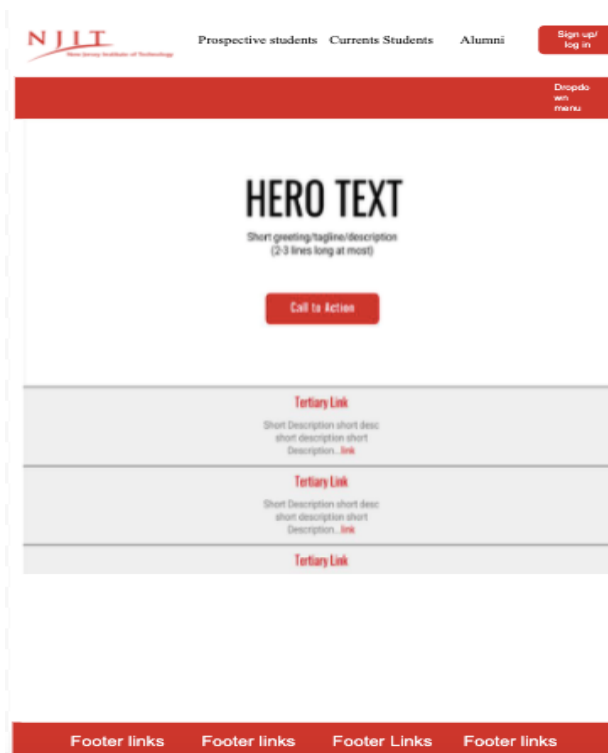
Raw Wireframe structure #2:

Branding	Primary Links
Secondary Links / Notices or Errors	
<div><h3>Event Title</h3><div>Signup Button</div><p><i>Created on: <Date></i> <i>Created by: <username></i></p><p>Event Description - 4 Lines of Text Event Description - 4 Lines of Text Event Description - 4 Lines of Text Event Description - 4 Lines of Text</p><p>Event Date and Time Date: <date> <Time> Read More</p></div> <div><h3>Event Title</h3><div>Signup Button</div><p><i>Created on: <Date></i> <i>Created by: <username></i></p><p>Event Description - 4 Lines of Text Event Description - 4 Lines of Text Event Description - 4 Lines of Text Event Description - 4 Lines of Text</p><p>Event Date and Time Date: <date> <Time> Read More</p></div>	<div><h3>Tertiary links / Content</h3><div><h4>Upcoming Events</h4><ul style="list-style-type: none">Event Link 1Event Link 2Event Link 3Event Link 4</div></div>


Home page



Basic Mobile Structure



Sign UP



Prospective Students Current Student Alumni [Login/Sign up](#)

Technology Help Contact Courses Skills Learned Overview Careers Faculty Continue Education

Sign Up

First Name : Phone Number :

Last Name : Emergency Number :

Address : Zip Code :

State : Date Of Birth :


Password : Confirm Password :

Major : Degree :

[Submit](#)

Footer links Footer Links Footer links Footer links Footer Links

Sign In



Prospective Students Current Student Alumni [Login/Sign up](#)

Technology Help Contact Courses Skills Learned Overview Careers Faculty Continue Education

Log In

UCID / Email:

Password:

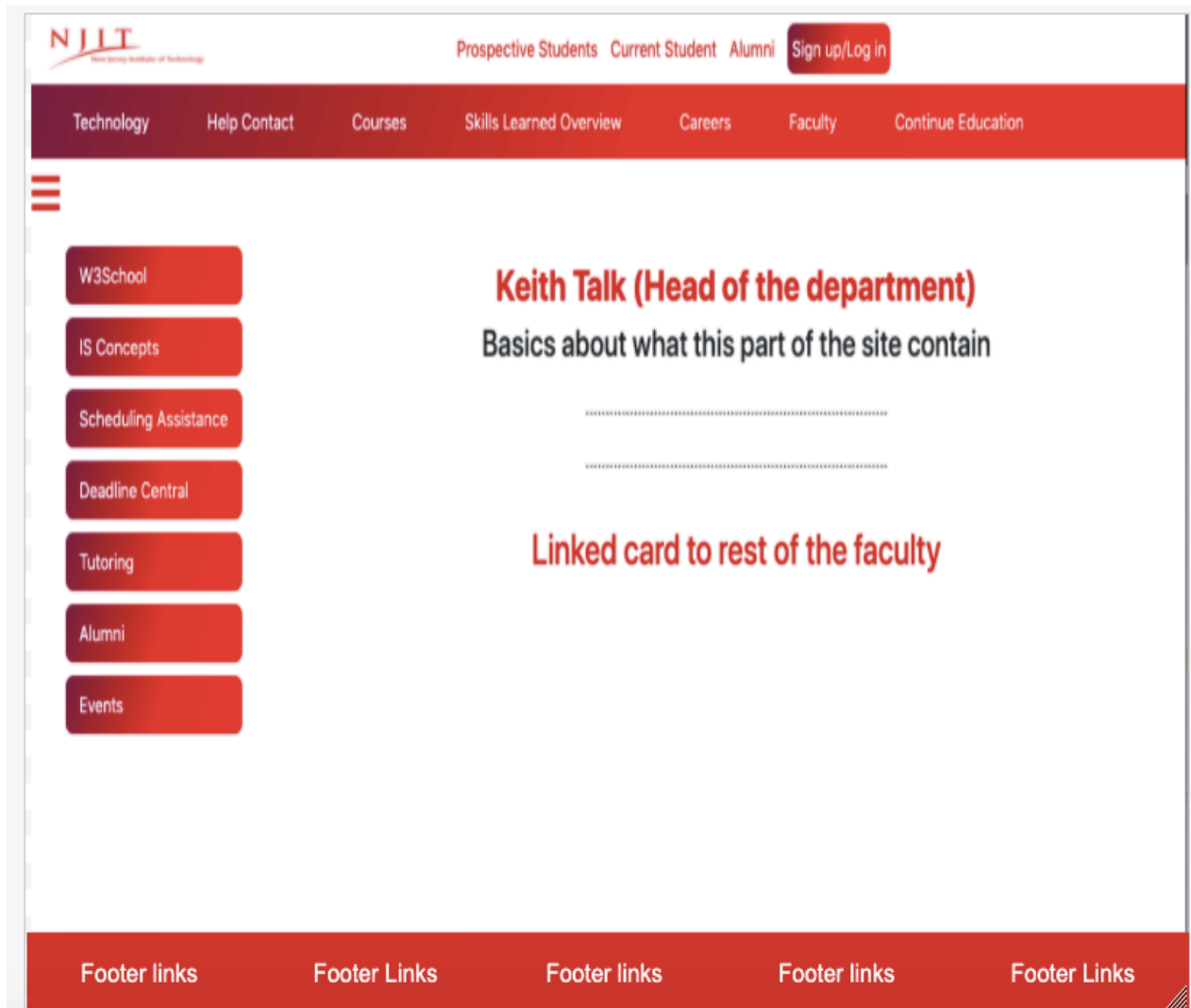
[Submit](#)

[Forgot Password?](#)
[Need Help?](#)
[Create A New Account](#)

Footer links Footer Links Footer links Footer links Footer Links

Faculty

Summary view





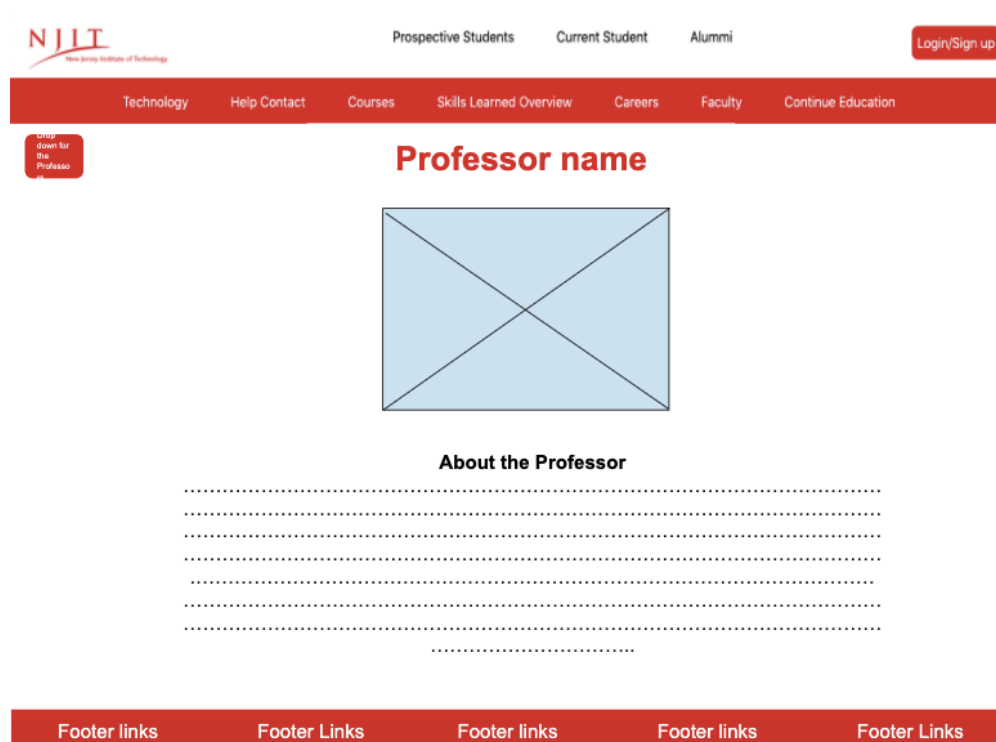
WIS FACULTY

1. Professor name link
2. Professor name link
3. Professor name link
4. Professor name link
5. Professor name link
6. Professor name link
7. Professor name link
8. Professor name link

1. Professor name link
2. Professor name link
3. Professor name link
4. Professor name link
5. Professor name link
6. Professor name link
7. Professor name link
8. Professor name link

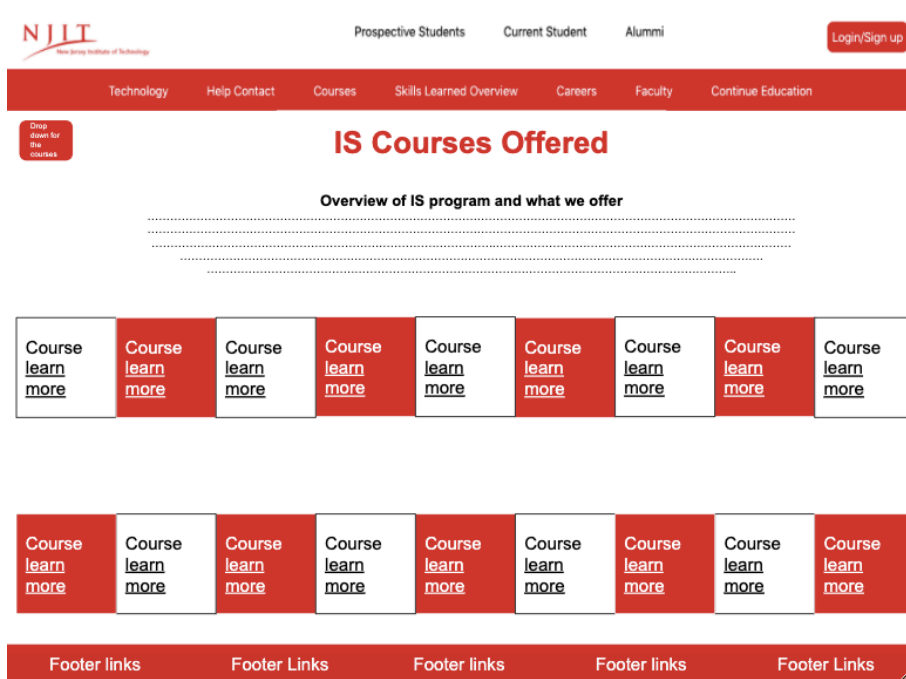


Detailed view



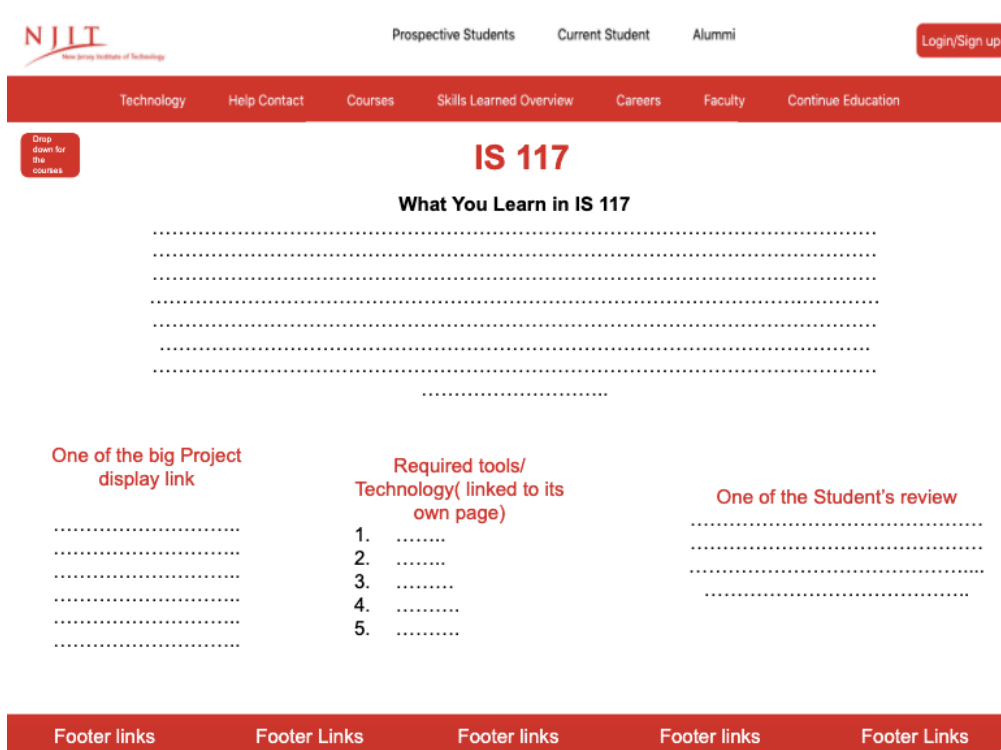
Courses

Summary



The summary page for IS Courses Offered features a red header with the NJIT logo and navigation links: Prospective Students, Current Student, Alumni, and a Login/Sign up button. Below the header is a secondary navigation bar with links: Technology, Help Contact, Courses, Skills Learned Overview, Careers, Faculty, and Continue Education. A red button labeled 'Drop down for the courses' is on the left. The main heading is 'IS Courses Offered' in red, followed by a subheading 'Overview of IS program and what we offer' and a dotted line separator. Below this is a grid of nine course cards, each with a 'Course learn more' link. The grid is followed by another row of nine course cards, each with a 'Course learn more' link. The footer contains five 'Footer links'.

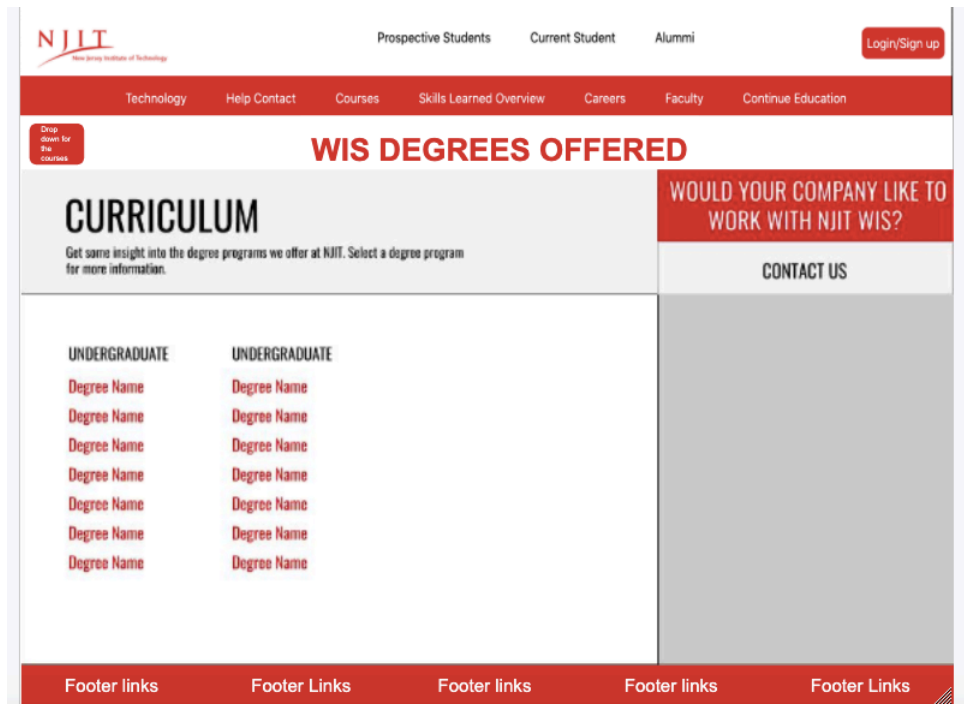
Detailed



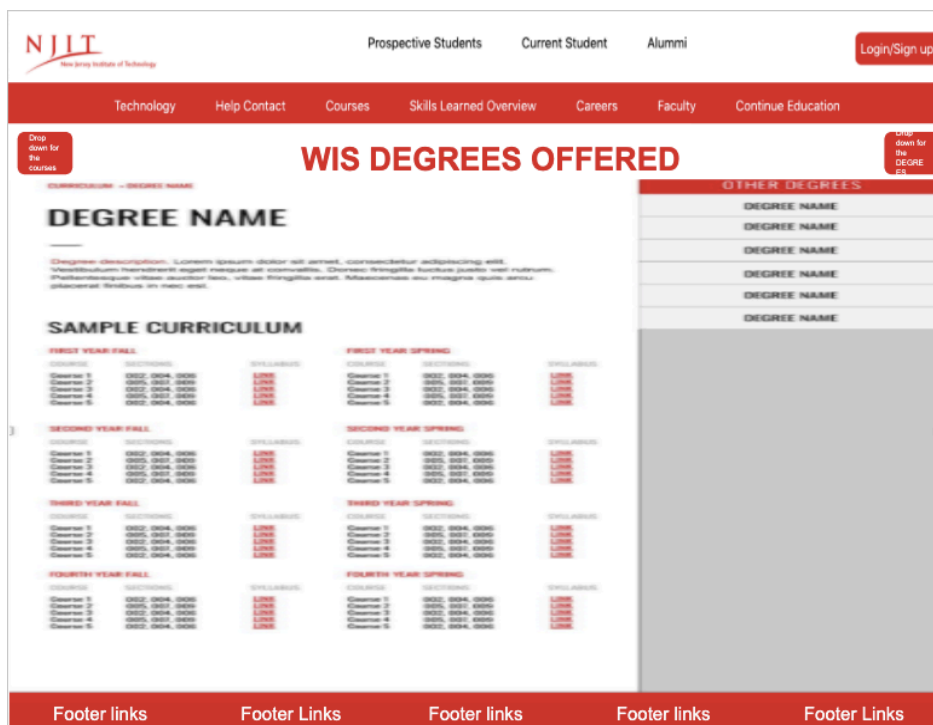
The detailed page for IS 117 features a red header with the NJIT logo and navigation links: Prospective Students, Current Student, Alumni, and a Login/Sign up button. Below the header is a secondary navigation bar with links: Technology, Help Contact, Courses, Skills Learned Overview, Careers, Faculty, and Continue Education. A red button labeled 'Drop down for the courses' is on the left. The main heading is 'IS 117' in red, followed by a subheading 'What You Learn in IS 117' and a dotted line separator. Below this is a section titled 'One of the big Project display link' with a dotted line separator. To the right of this is a section titled 'Required tools/ Technology(linked to its own page)' with a list of five items, each followed by a dotted line separator. To the right of this is a section titled 'One of the Student's review' with a dotted line separator. The footer contains five 'Footer links'.

Degrees

Summary

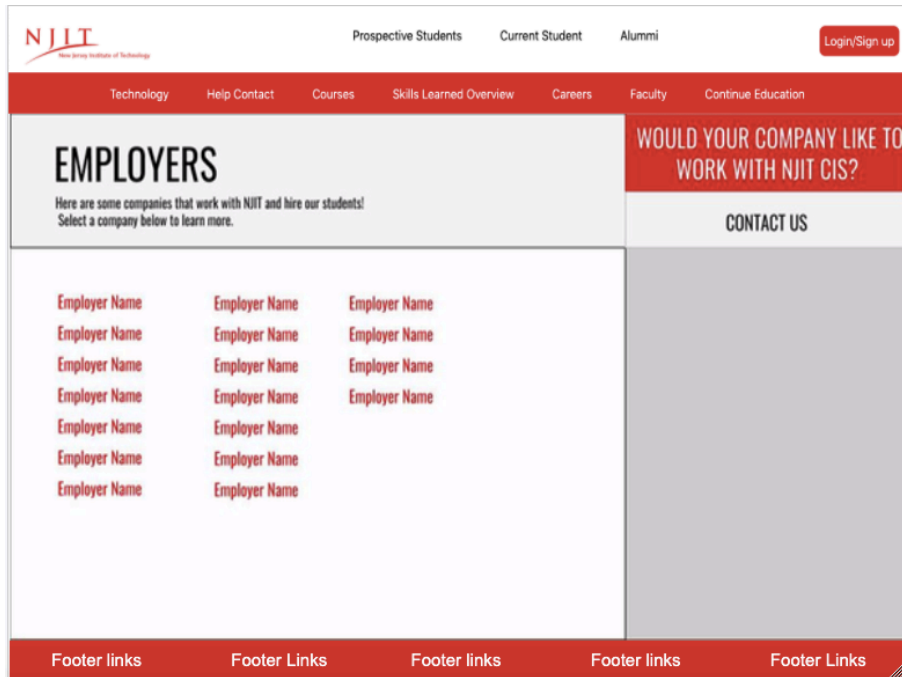


Detailed view

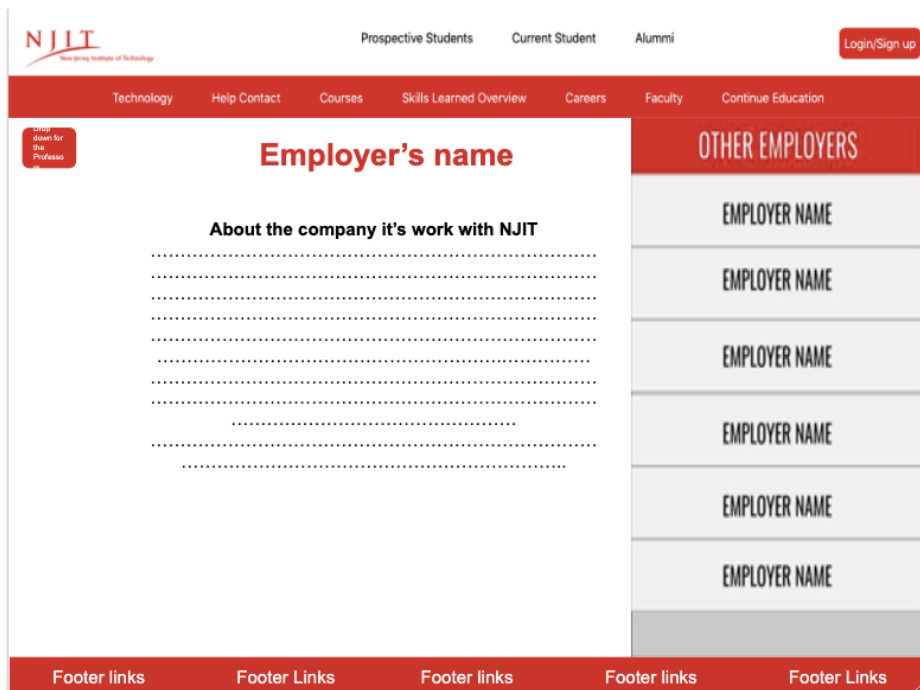


Careers

Summary

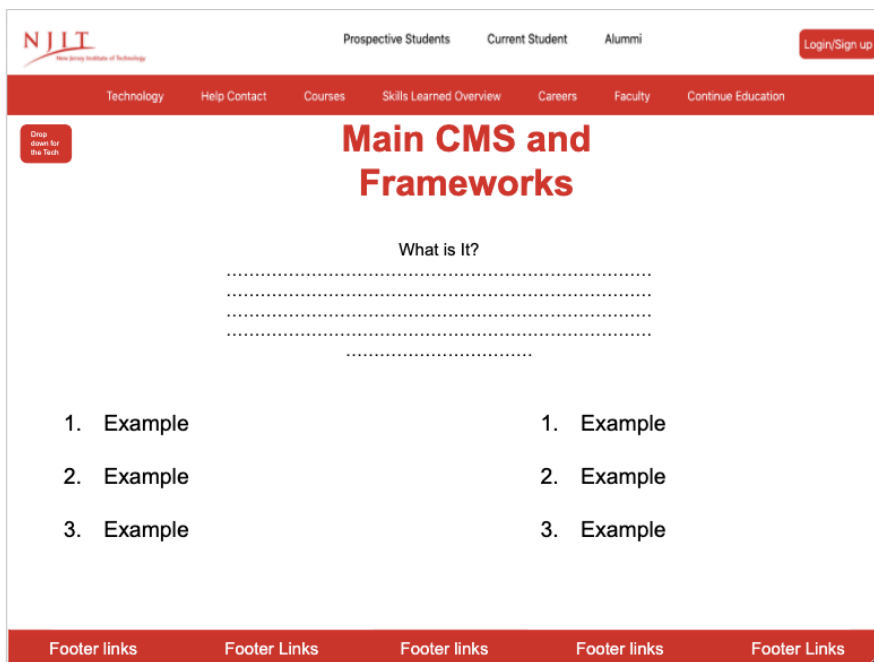
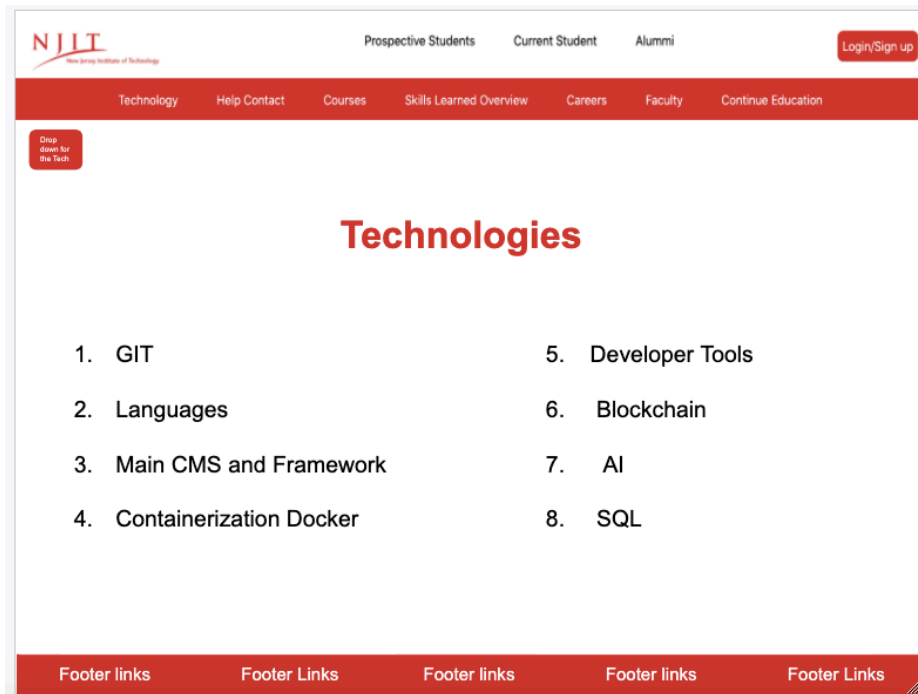


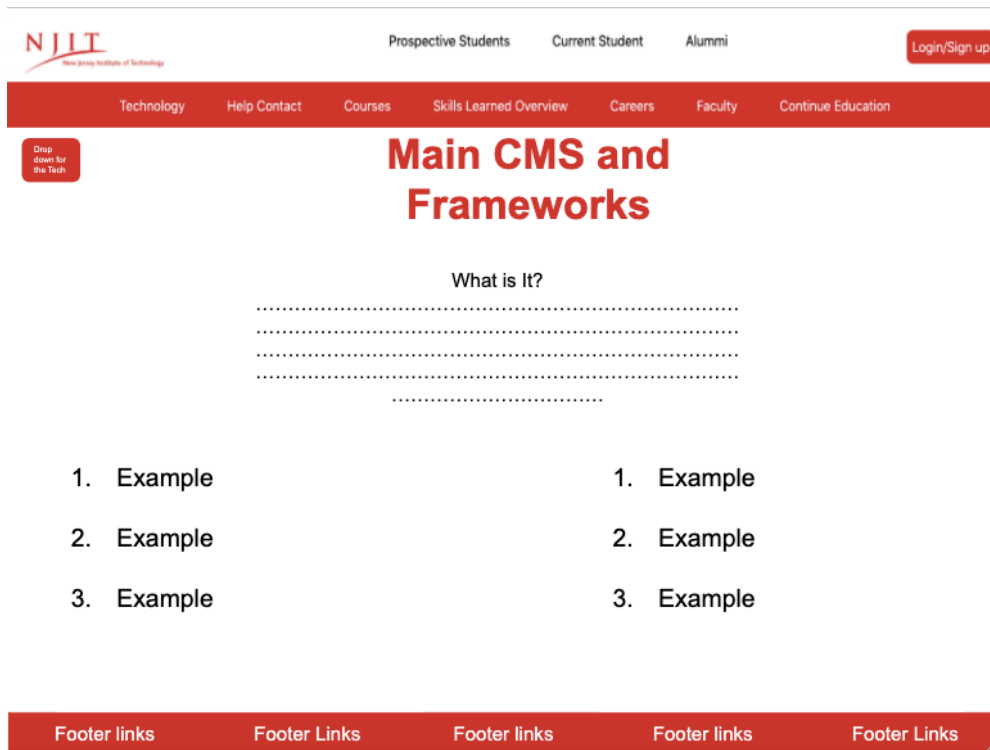
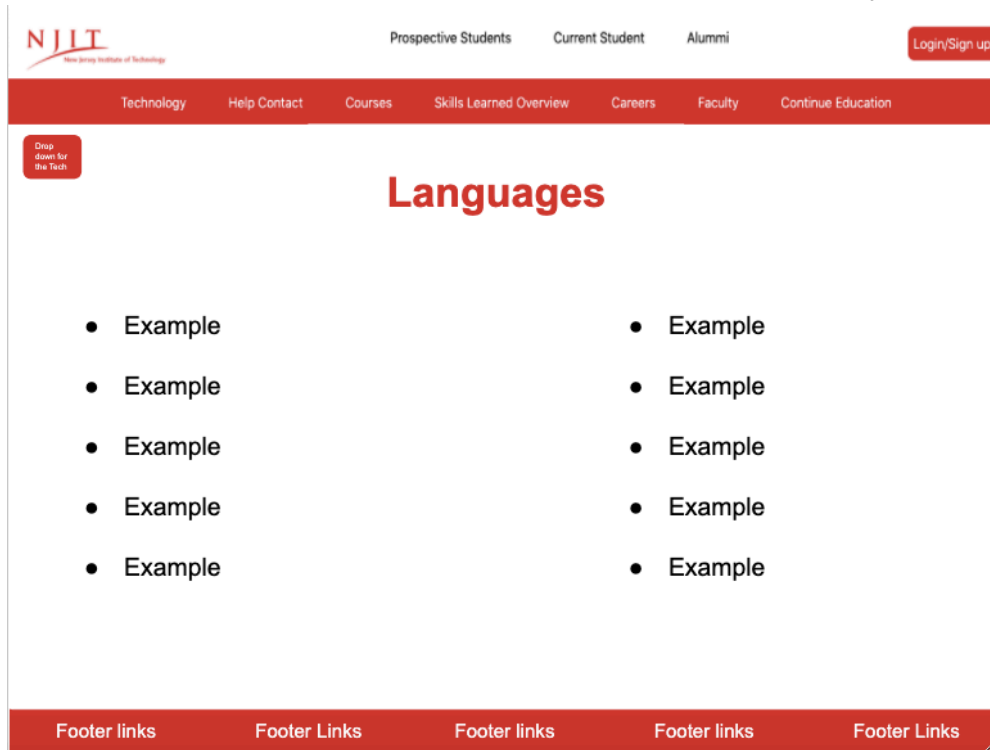
Detailed



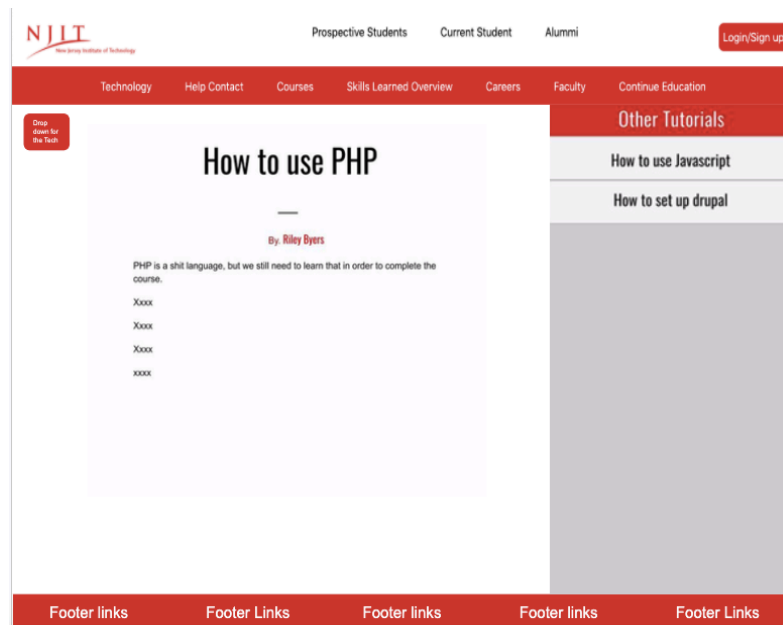
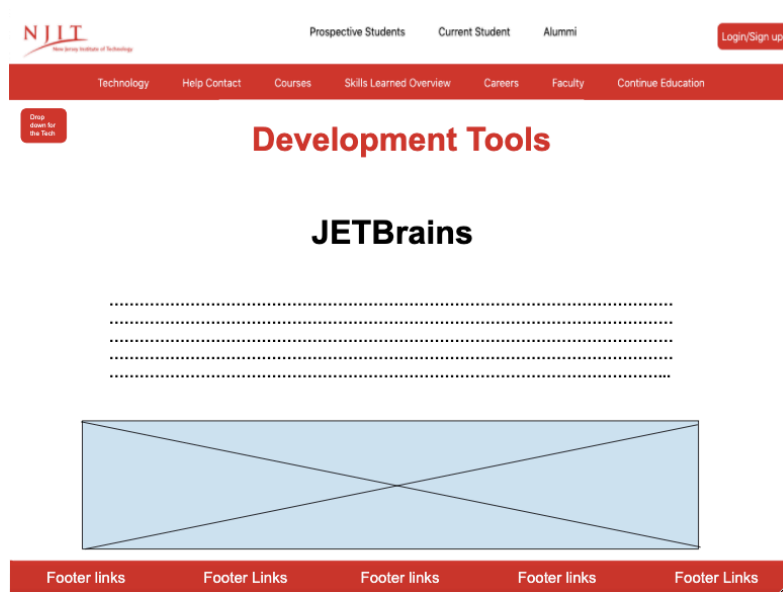
Technology

Summary






Detailed View Concept



The screenshot shows the top navigation bar of the NJIT website with links for Prospective Students, Current Student, Alumni, Login/Sign up, Technology, Help Contact, Courses, Skills Learned Overview, Careers, Faculty, and Continue Education. Below the navigation bar is a red banner with the text "Git down for the Tech". The main heading is "GIT". Below the heading is a section titled "What is GIT?" followed by several horizontal dotted lines. At the bottom, there are two large squares: a white one labeled "GITHUB" and a red one labeled "GITLAB". The footer contains five links: Footer links, Footer Links, Footer links, Footer links, and Footer Links.

Help Contact:



Prospective StudentsCurrent StudentAlumni

Login/Sign up

TechnologyHelp ContactCoursesSkills Learned OverviewCareersFacultyContinue Education

Contact us at

Basics about what this part of the site contain

More Information

Your Name:

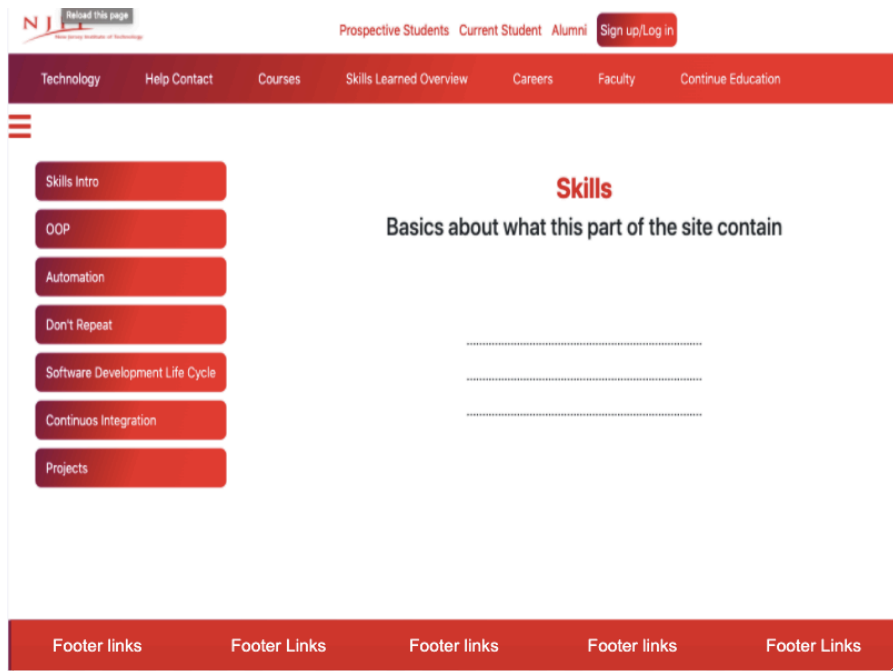
Contact email:

Your Question:

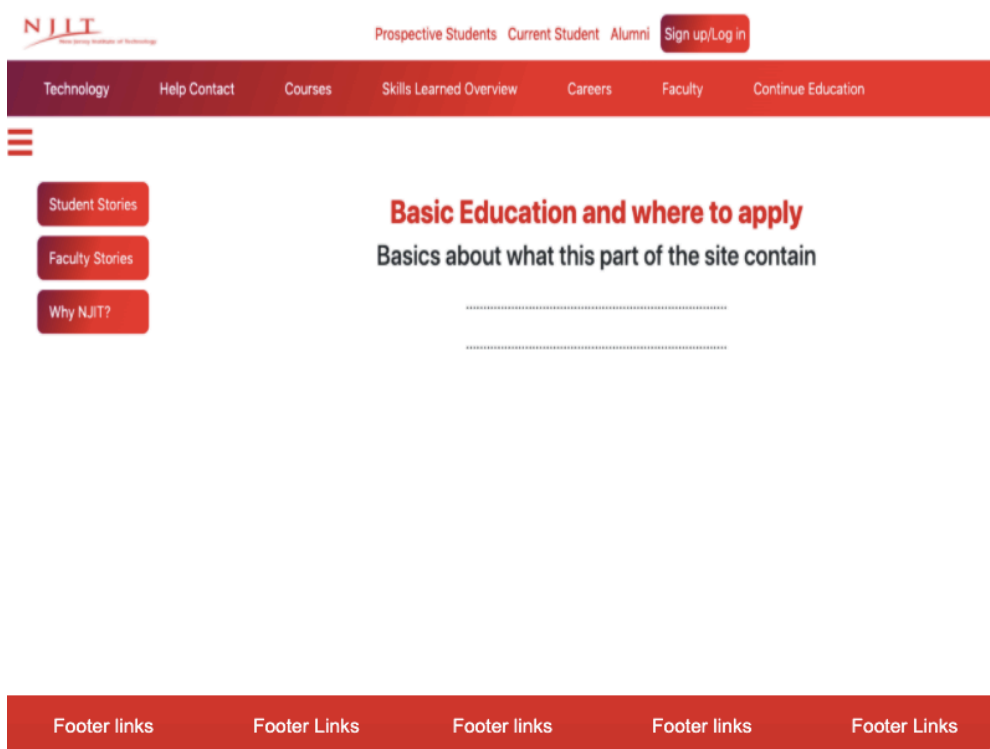
Submit

Footer linksFooter LinksFooter linksFooter linksFooter Links

Skills page- basic Structure



Basic continue education structure



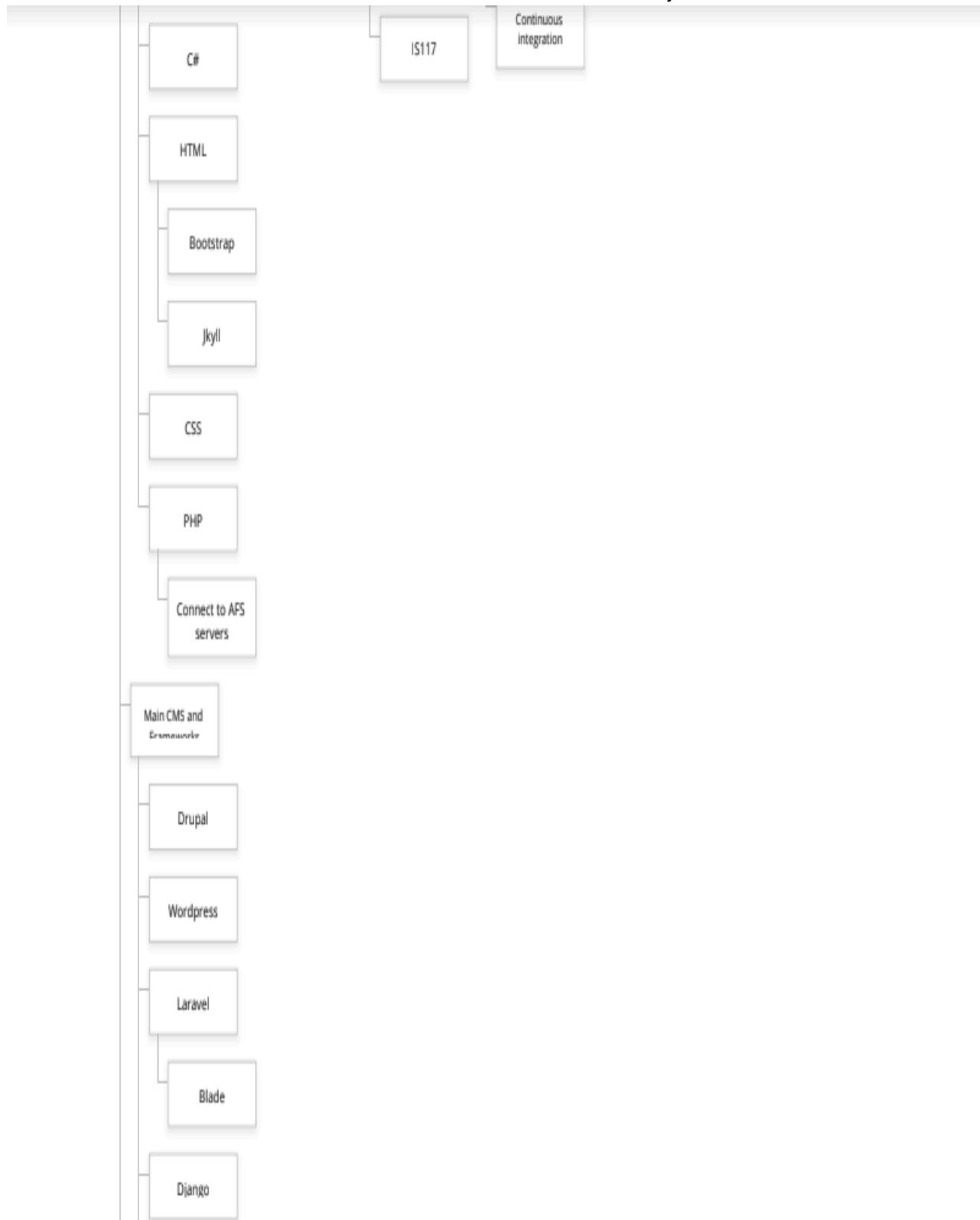
Site Map

Sitemap's External Link-

https://drive.google.com/file/d/1QmKbM3AmdTs-XzICJgFP_QVD-4i7Q07/view?usp=sharing



WEB & INFORMATION SYSTEMS - Website Project



WEB & INFORMATION SYSTEMS - Website Project

