Group: 106-4
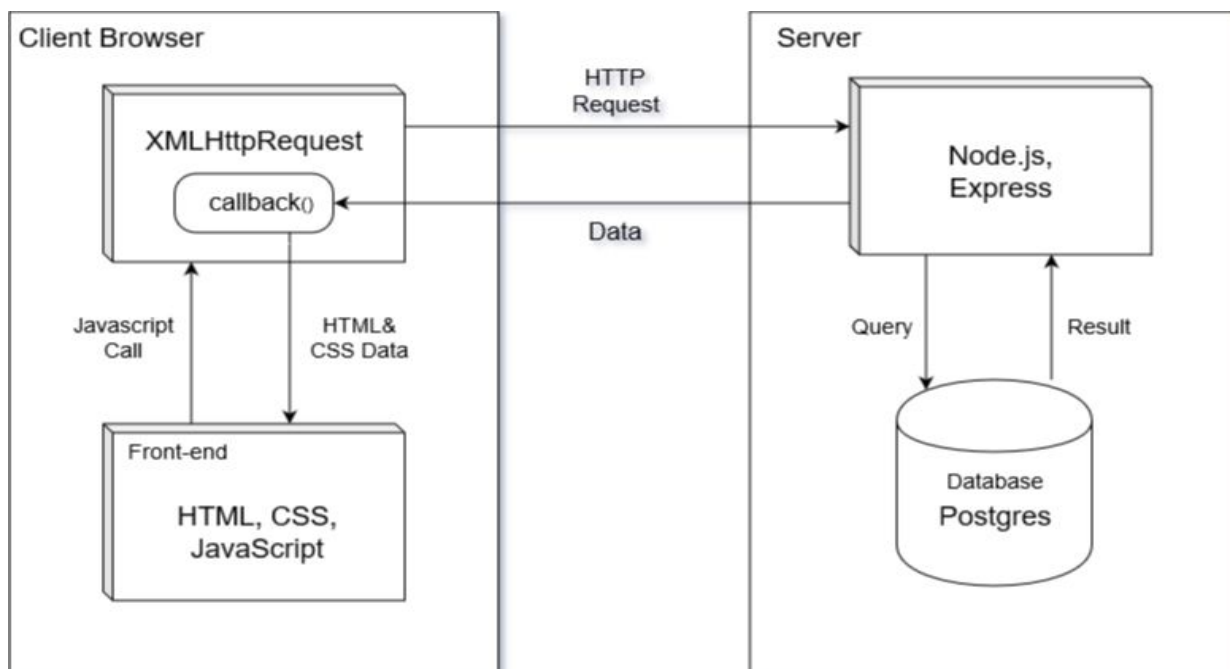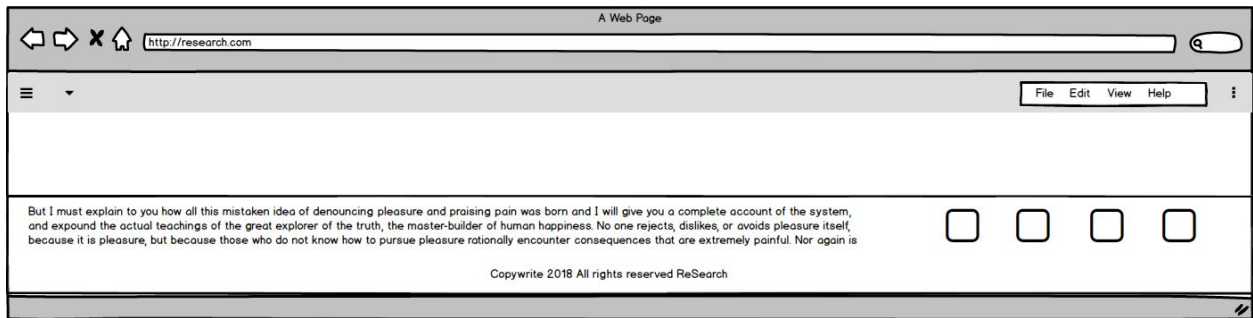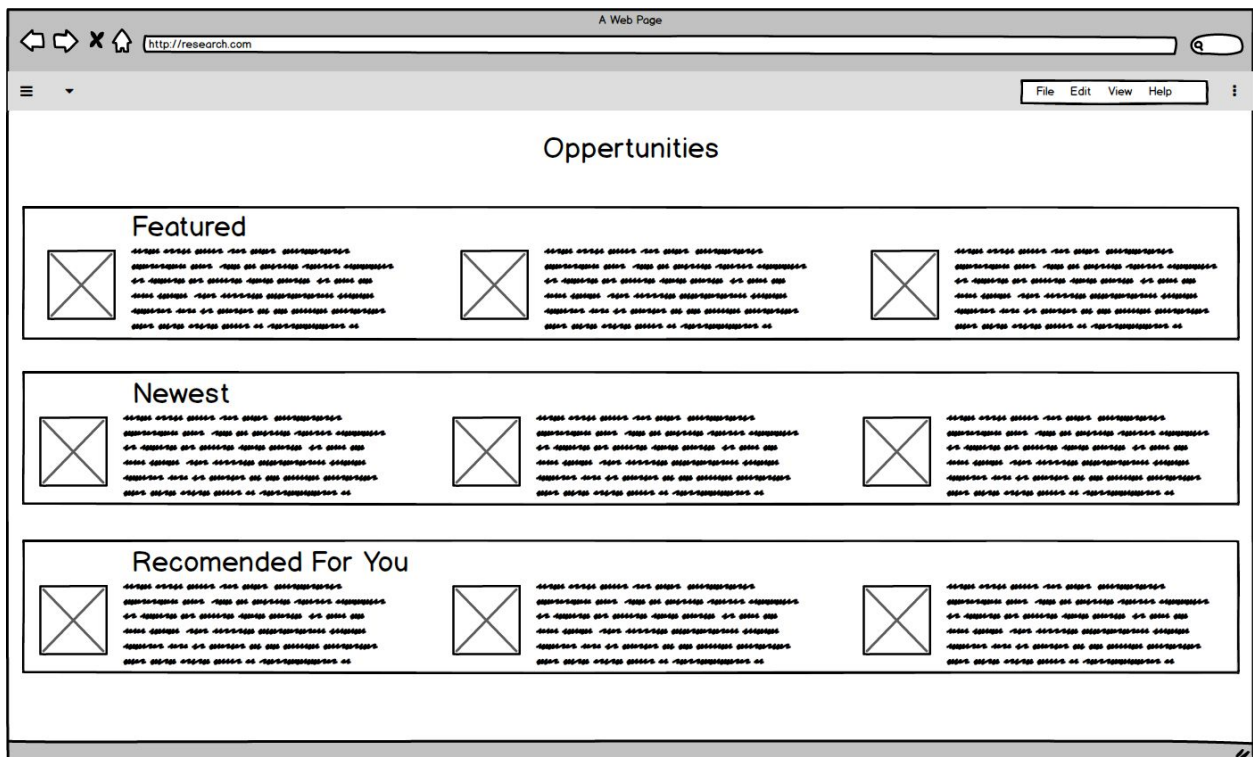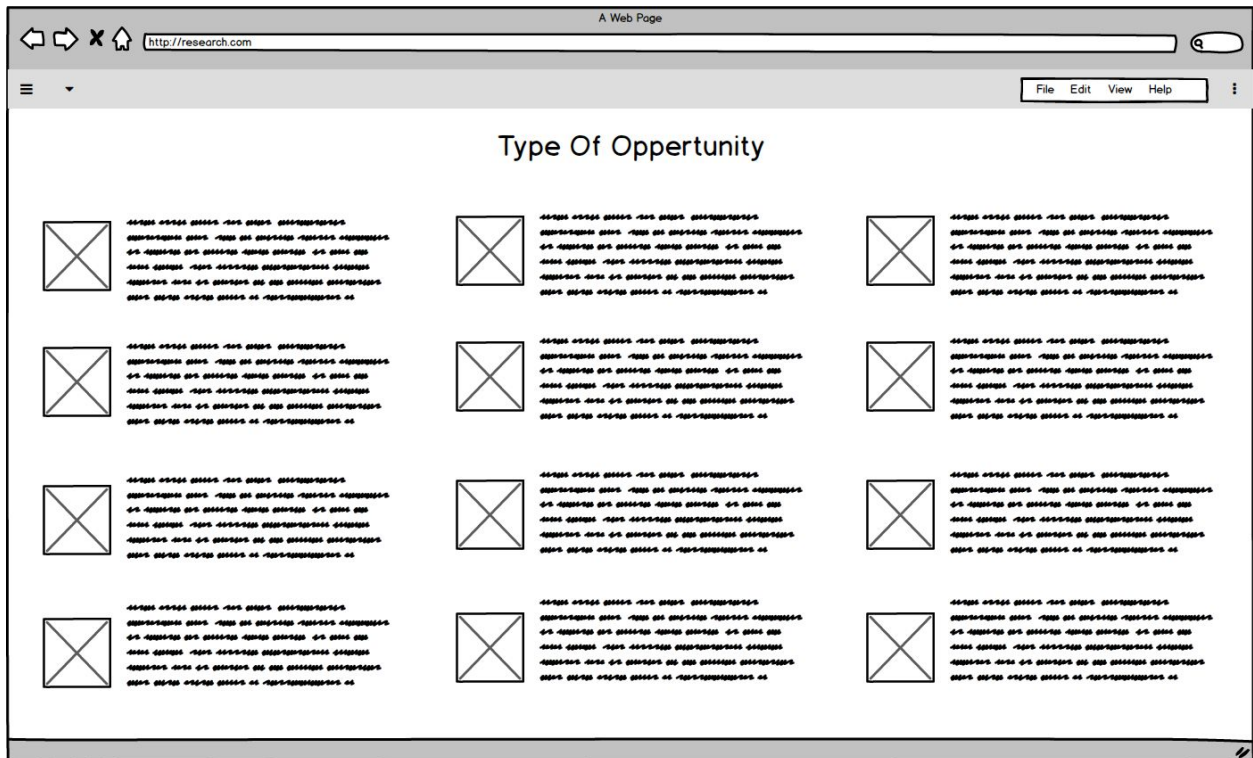
Revised List of Features:
- User/Researcher Log-in/Creation (Highest priority)
  - Integration to allow user data to be inserted into profiles table
- User/Researcher Profile Page (Med Priority)
  - Present all user/researcher information and include ability to edit info, as well as relevant info
- Feed for postings (Med priority)
  - Orders all research opportunities by recently added
- Matching algorithm (Low Priority)
  - Have users fill out demographics and other information and utilize this to help researchers locate ideal candidates
- Search through postings (Low Priority)
  - Search/filter through by keywords, organizations, e.t.c. Display appropriate results
- Search through users (Low Priority)
  - Allow researchers to search through and extend opportunities towards potential participants and filter through by relevant criteria they are looking for
- Database (High Priority)
  - Encryption for passwords/sensitive info
    - No default user
    - Protect against injection attacks with prepare statements
  - Tables for extended/sensitive information for users and researchers
  - Table for majors codes and descriptions
- User Friendly Interface (Med Priority)
  - Design for Postings page
  - Design for feed/home page

Architecture Diagram:

Front End Design:

But I must explain to you how all this mistaken idea of denouncing pleasure and praising pain was born and I will give you a complete account of the system, and expound the actual teachings of the great explorer of the truth, the master-builder of human happiness. No one rejects, dislikes, or avoids pleasure itself, because it is pleasure, but because those who do not know how to pursue pleasure rationally encounter consequences that are extremely painful. Nor again is

THE BEST PLACE
TO FIND RESEARCH OPERTUNIITES

Button

http://research.com

File   Edit   View   Help

Type Of Oppertunity

http://research.com

File   Edit   View   Help

Oppertunities

Featured

Newest

Recomended For You

Web Service Design:
Currently no plans to utilize Web Services

Back End Design:

research_db: PostgreSQL database

User Profile

PK	Primary Key	Serial id
	name	varchar(50)
	email	varchar(100)
FK (1)	username	varchar(30)
	password	varchar(30)
	birthday	date
FK (2)	major	varchar(4)
	year	varchar(3)

Extended User Data

FK (1)	encryptedId	text
	psychReport	text
	demographics	text
	medHistory	text

Extended Researcher Data

FK (1)	encryptedId	text
	projectName	varchar(50)
	credentials	text
	field	varchar(4)
	institution	varchar(50)

Majors Data

FK (2)	majorCode	varchar(4)
	majorDescription	text
	numEnrolled	int

Postings Data

	Title	varchar(50)
FK (1)	ownerProfile	varchar(30)
	description	text