Assessment Task 2: Application Development Group Web Project

CP 5310: E-Business Technologies

Team member:

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Project objectives

Today, almost everything can be found online, the main purpose of the migration of local to online businesses is so that client can reach more customers. Moreover, Yoga websites are becoming more and more common by providing basic yoga features and classes. However, Most of the Yoga Websites have terrible UI/UX designs and unresponsive. We would like to develop a Yoga web application that is responsive, interactive, has good UI/UX designs, and is usable. Our main goal is to build a user friendly site to help yoga lovers, beginners or yoga enthusiasts to have easy access to yoga classes, trainers, events, etc.

Keyword: Responsive, Interactive, User friendly, User experience, User Interface, Usability

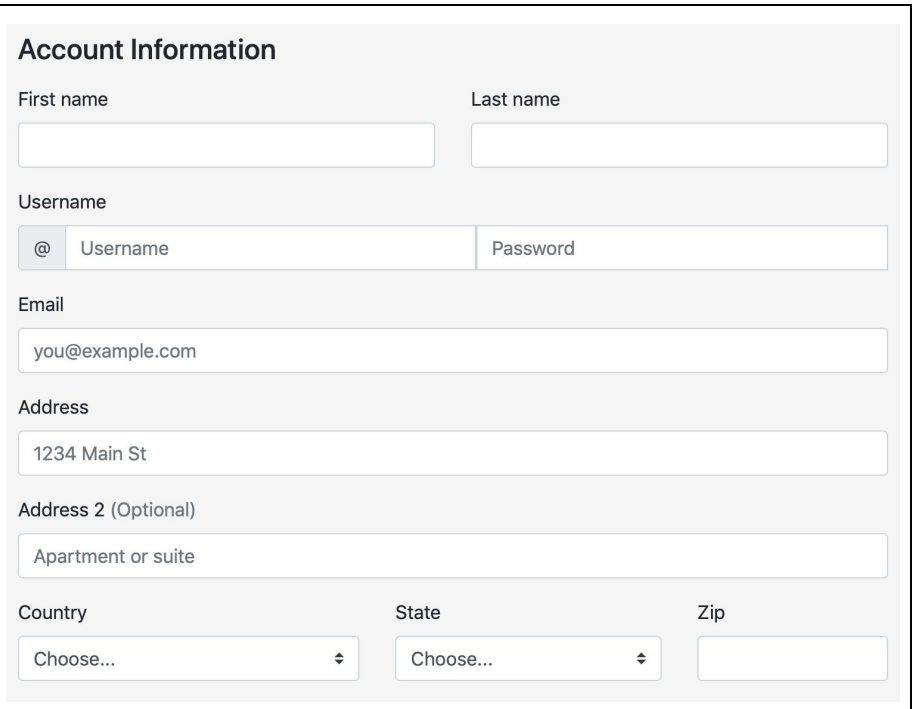
Web2.0 features

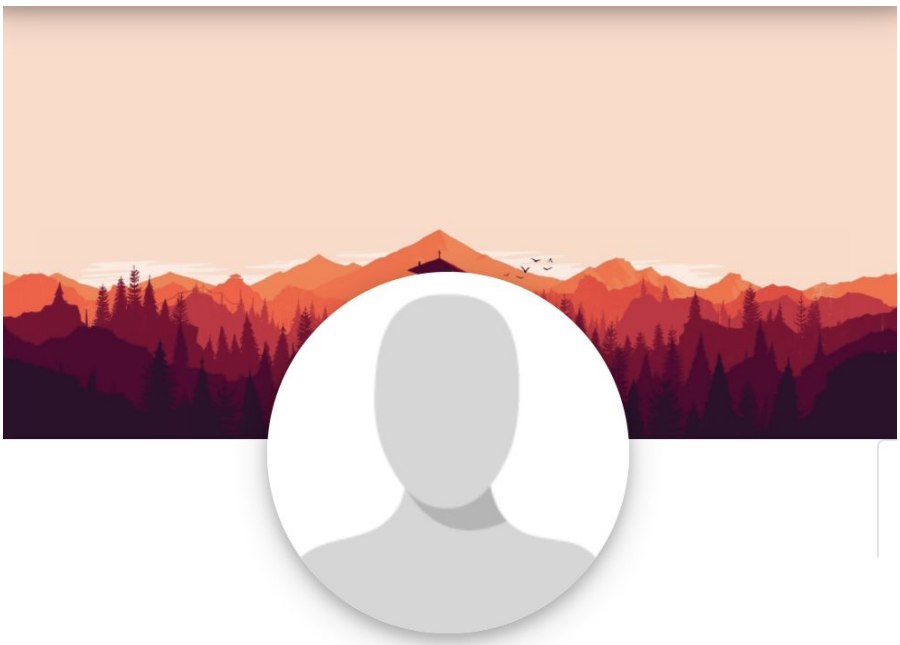
Requirements	Description	Priority	ETC
ClassType.html	Display a list of class types from JSON using AJAX	High	3
ClassSchedule.html	Display a list of class schedules from DB SQLite	High	3
Trainer.html	Display a list of Trainer information from DB - Name - Image - Description	Medium	4
AboutUs.html	Display a paragraph of project goals	Low	3
ContactUs.html	Display some contact information	Low	3
Index.html	Display a slider with news or recent information - Button onclick pop-up JS login box	High	3
Signup.html	Display registration form that will be connected to python signup script and DB	High	4
Profile.html	Display registration form that will be connected to python login script and DB	High	4
Yogaz.json	Creation of JSON file in order to dynamically display data retrieved from the JSON file into the front end	Medium	3

Sign up and Login function	Sign up function to allow user to register their information to the database. Login function will be used for existing registered users	High	3
DB creation + storing data to database	Data from sign up form will be stored in Database	High	3
User authentication & authorization	Check user login and sign up to ensure user is authorized to access his own data only	Medium	3
User Session	Handle user session such as log out and profile button instead of login and signup	High	3
User Log out	Handle if user session is true then log out can be done	High	2
Book class	Class id will be stored in the user table	Medium	2
Search bar	Search JSON lists and return any match input	Low	2
Hosting	Host the webpage online from a hosting service	Low	2

Features implemented

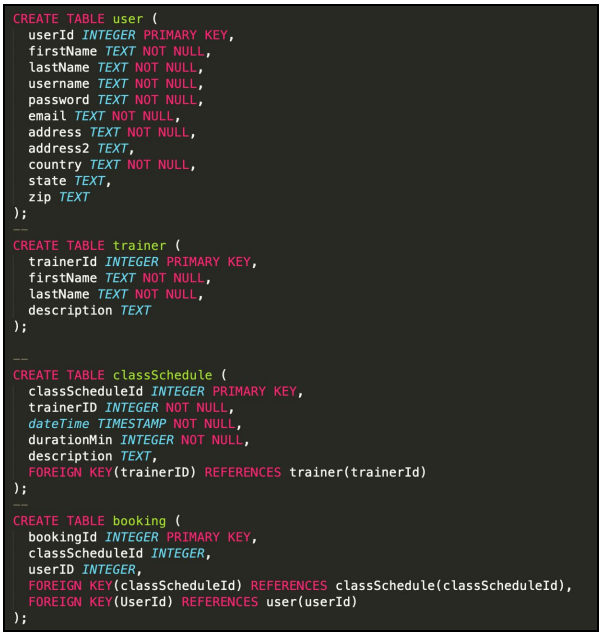
Features	Description
ClassType.html	JSON and AJAX is used to display class types
ClassSchedule.html	Class schedule data is retrieved from the SQlite class type table and displayed them in a card
Trainer.html	Trainer data is displayed from DB from Trainer table
Beginner.html	Accordion with JQuery and different yoga poses pictures
AboutUs.html	HTML and CSS
ContactUs.html	HTML and CSS plus iframe google maps
Index.html	HTML and CSS, slider, login and signup button, and session handling
Signup.html	User can sign up and will be storing all the information

	
Profile.html	Display basic user information in a div

	 **Welcome firnaz adiansyah** **Username:** firnaz **Email:** a@gmail.com **Address:** 23 Lorong 7 Geylang, #02-01 Brickhouse @ Sims, #02-01 Brickhouse @ Sims, United States, California, 388803

Yogaz.json	{
	"user": [
	{
	"name": "user1",
	"email": "user1@gmail.com",
	"description": "hey im a user"
	},
	{
	"name": "user2",
	"email": "user2@gmail.com",
	"description": "hey im a user"
	}
	],

<table>
<tr><td></td><td>
<pre>
"trainer": [
  {
    "name": "Amy P.",
    "email": "amy.ping@gmail.com",
    "description": "Yoga takes you into the present moment, the only place where life exists.",
    "image": "../static/pic/trainer/p1.png"
  },
  {
    "name": "Clarice M.",
    "email": "clarice.min@gmail.com",
    "description": "he only person you have to spend the rest of your life with is you. Be kind to yo
    "image": "../static/pic/trainer/p2.png"
  },
  {
    "name": "Tony F.",
    "email": "tony.ferris@gmail.com",
    "description": "You cannot control what goes on inside. But you can always control what goes on i
    "image": "../static/pic/trainer/p3.png"
  },
  {
    "name": "Rachel C.",
    "email": "rachel.choo@gmail.com",
    "description": "Fall in love with your own body and all else will fall into place",
    "image": "../static/pic/trainer/p4.png"
  },
</pre>
<pre>
"class": [
  {
    "name": "Basics",
    "image": "../static/pic/pic0.jpg",
    "description": "Trying out yoga for the first time or simply enjoy practicing the fundamentals of
    "teacher": "Firnaz",
    "schedule": {
      "date": "10/10/2019",
      "time": "10.00 AM"
    },
    "availability": "closed"
  },
  {
    "name": "Core",
    "image": "../static/pic/pic0.jpg",
    "description": "This is unlike a regular yoga class that promotes general strength and flexibilit
    "teacher": "trainer2",
    "schedule": {
      "date": "10/11/2019",
      "time": "10.00 AM"
    },
    "availability": "open"
  },
  {
    "name": "Hot Yoga",
    "image": "../static/pic/pic0.jpg",
    "description": "A fix set of 26 postures and 2 Breathing exercises that systematically work every
    "teacher": "trainer2",
    "schedule": {
      "date": "10/11/2019",
      "time": "10.00 AM"
    },
    "availability": "open"
  },
  {
    "name": "Hot Stretch",
    "image": "../static/pic/pic0.jpg",
    "description": "This is a great class to work on your flexibility! Gentle movements and longer ho
    "teacher": "trainer2",
</pre>
</td></tr>
<tr><td>Sign up and Login function</td><td>Python flask script to handle sign up and login</td></tr>
<tr><td>DB creation and storing data to database</td><td>We are using SQLite since it is lightweight
Four Tables creation:</td></tr>
</table>

	
User authentication & authorization	Check if user is already in the db, check username and password if they match with the one in DB
User Session	Check user session if on then display the logout and remove the signup and login button
Hosting	Website is hosted in a server that can be accessed remotely

Features planned but not implemented

Features	Reason
Search bar	Search bar could not be implemented because there was not enough time as its priority is low so it was not implemented.
Responsiveness	Some objects in the pages are not responsive as we could not implement bootstrap properly to achieve our desired style.
Class Types (JSON)	Json file suddenly was not displaying the data in the last minute, therefore we decided to get the class types information from DB

Potential improvements

In the near future, the Yogaz project can be further improved by implementing more features in order to improve user experience. The use of more complex python flask integration to build a more robust and secure product can be our next potential goals. Yogaz can be brought to cross-platform by integrating the system with Ionic.

Framework and technologies

Programming language	JavaScript (front-end), Python (back-end)
Framework	JQuery, JQueryUI, AJAX, Python Flask
Web Tech	HTML, CSS, Bootstrap, JSON
Database	SQLite
Version Control	Git, Github
Images/Container Platform	Docker
SDLC	Agile with Scrum

Individual contributions of each member

Firnaz Luztian Adiansyah
Roles: Fullstack
Contribution:

- Created and managed repository in the version control, GitHub, and write the project report in google docs so other team members could collaborate real time.
- Implemented a responsive skeleton page for all the pages with bootstrap.
- Created dummy JSON file with classes, and trainers, and dummy user data.
- Retrieved JSON data using AJAX get request.
- Restructured files as template and static to fit python flask project format.
- Create and display data from DB SQlite in trainer, class-type, class-schedule, profile.

Jimena Yu Qing Muchsel
Roles: UI/UX, Graphic designer, Front-End developer
Contribution:

- Styling the pages with CSS
- Contributed on index.html, contactus.html, beginner.html
- Photoshopped images and designed a logo to fit the theme of the website
- Implemented iframe with google maps in contactus.html
- Worked on the page aboutme.html
- Added information about the trainers and yoga classes in the JSON file.
- Worked on python flask

Mianmian Zhang
Roles: Front-end developer, UI/UX designer

Contribution:

- Provided hosting services
- Designed the styling of the pages
- Beginner.html, profile.html, indexlogin.html
- Pop-up confirmation about booking
- Worked on python flask together
- Picture editing
- Content design

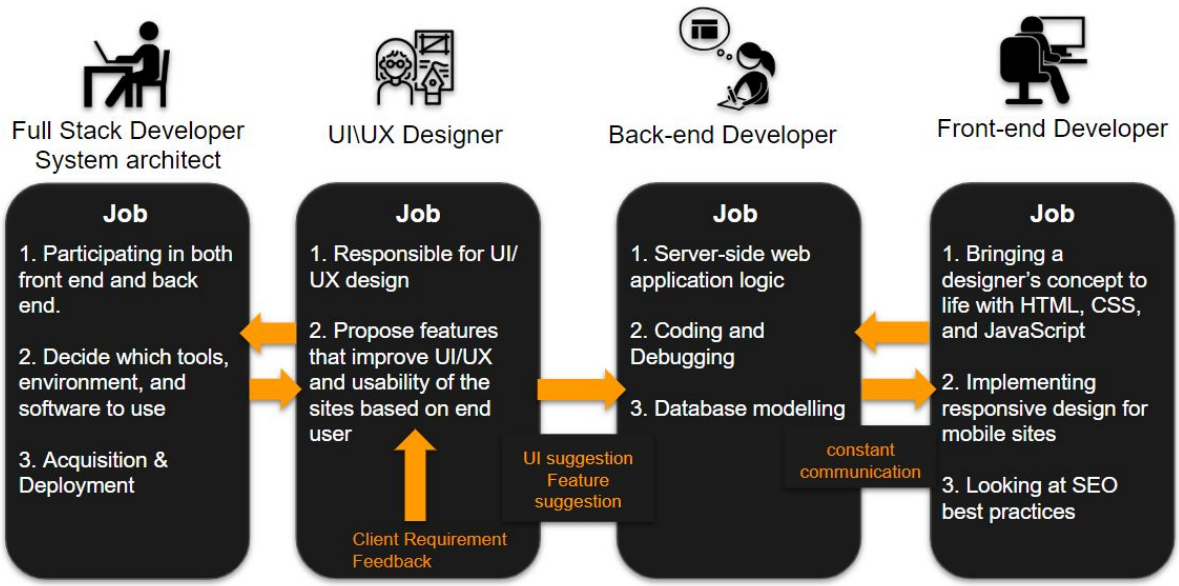
Tianliang Yi

Roles: Front-end developer

Contribution:

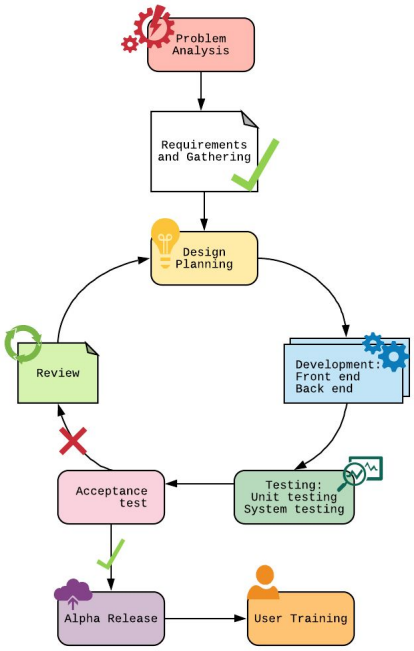
- Created animation in JS/JQuery
- Designed the styling of the pages
- Contactus.html, index.html, indexlogin.html
- Work on Python flask

Project roles



Actual implementation schedule

Configuration management



Project plan: https://trello.com/b/WURGU0ZZ/yogaz	
Week 5	• Plan project content and idea • Define project scope • Identify end-user • Gather requirements • Identify software, hosting, tools or development environments
Week 6	• Design wireframes or web skeletons • Set up development environment (Installing necessary tools/plugins) • Create all required HTML, CSS, JS, PHP files
Week 7, 8, 9	• Design, Develop, Test, Review • Improve the design or add more interactions/functionalities
Week 10	• Final release & bug fixing

Project setup instructions

Step	Descriptions
1	Create a - GitHub account - GitHub repository - Trello boards
2	Install project environments for each OS (Windows/Mac) - Ensure Python is installed - Ensure Python flask is installed - Ensure docker is installed
3	Clone the project from GitHub: https://github.com/firnazluztian/Ebusiness-YogazApp.git
4	Check git status, pull changes, create a branch for each member
5	Front-end and Back-end team work independently, conduct unit testing to each completed task
6	In the end of the sprint, branches are merged and system testing is conducted
	Project is hosted on http://mianmian.duckdns.org:8888/