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Team Name: RTAN --- Rensselaer Team of Awesome Networkers

Summary of Proposed Project

Are you bored in Troy, NY, and sick of the dining hall food? Look no further than the Downtown Troy website. Our website is catered not only to the Rensselaer Polytechnic students and faculty but to the entire Troy community as well. Our website will have our main focus which is a site with all of the major restaurants in downtown Troy and reviews for each one of them. Another page is going to be focused on a gallery that showcases the restaurants and small businesses of the town. We are also planning to have a page where we interview some of the small business owners located in Troy, NY. One of our featured pages will also include coupons and upcoming events for things happening in Troy! Basically, our website is going to be the place to go if you are ever interested in what's happening in Troy, NY.

Description of each type of user

The types of users that would be using our website would be people who have lived in the Troy area for a while, people who are new to Troy, and people who run a small business. As for people that have lived in Troy for quite some time, they will be able to add reviews to the restaurants that they have been at. An example of people that would fit into this category would be older students from RPI or residents who have lived in Troy for a long time. People that have never been in Troy can use this website as a way to find restaurants that they want to eat at by looking at the reviews that are left by others. This could be new students, new residents, and tourists that visit Troy. Small business owners will be able to post their restaurants on the website. In addition, business owners will be able to post events that they are hosting onto the website for people to see. They can also post coupons for their business.

As for our stakeholders, our stakeholders would be parents of RPI students, other family members of people that live in Troy, and real estate agents. Relatives of Troy residents will be able to know that their family members are eating food that is actually good in Troy and that they are doing fun activities around Downtown Troy. As a way for real estate agents to convince people to move into a property in Troy, the Downtown Troy Website is a great application for him to showcase the good places and things to do in Troy to his clients.

Summary of Technologies

We intend to use HTML5, CSS, and JavaScript in order to create a user-friendly front-end. We will use MariaDB and PHP to store restaurant info and facilitate interaction with the front end. The site will be hosted using the team's Microsoft Azure virtual machine. Finally, Google APIs will be used in the project for authentication and map functions for the website.

Functional and Non-Functional Requirements

The *Downtown Troy* website's functional requirements are the bare bones the site needs to aid the user in finding events and reviewing businesses in downtown Troy. These include the website's need to store restaurant information that users can add to through reviews. The site will include two different accounts, one for reviewers and one for business owners, both with password verification. These roles will have different permissions, with business owners only being allowed to write events for their business and reviewers only being able to write reviews. Both accounts should have the ability to view reviews and events. Additionally, time-sensitive events (examples include the weekend farmers' market) need to be displayed on the website. These events should indicate the dates and times they are available and the businesses they include and should be auto-deleted once the date has passed. Other non-functional features we wish to implement would be a filter system to search different businesses by either type or rating, complementary recommendations of similar businesses, showing the location on Google Maps, and an image gallery for the highest rating businesses within a given area. If possible, we would like to contact a few of these businesses for interviews and also put those up on their respective pages. These features, while not crucial to the *Downtown Troy* Website's identity and function, would add some additional utility to the website as well as add to the user experience.

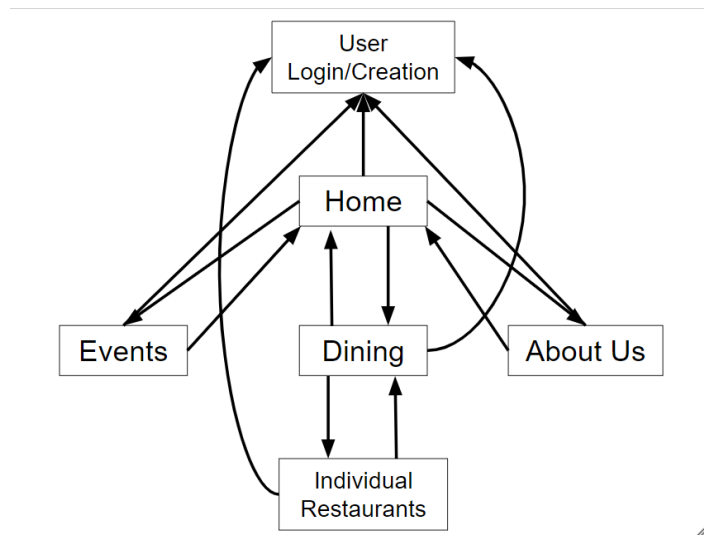
Estimated Project Schedule

As a group we planned an overall schedule to keep our team on track and to continue to develop our website. In the beginning stages, we plan to work mainly on the HTML and basic CSS. Then as we further into the month of October and learn more about databases we plan to implement that into our website for creating accounts for the users and reviewers on the restaurant's pages. Then we plan to continue adding javascript for all of the dynamic parts of the website. Once we are in the month of November we are planning to focus on the styling of the website after all the content we want is on it. Finally, towards the end of the month, we will plan on working on the presentation and practicing it as well.

| | | | |
|---------|--|--------|------------------------------------|
| Sept 16 | Start on the HTML by creating the pages and some of the CSS | Nov 14 | Continue to update website |
| Sept 28 | Working on the HTML pages that we plan to have and basic CSS | Nov 17 | Continue to update website |
| Oct 2 | Continue to style the HTML pages and CSS and have that finished by end of today | Nov 20 | Close up on working on the website |
| Oct 12 | Work on implementing the database for the users of the restaurants as well as owners | Nov 27 | Start working on presentation |

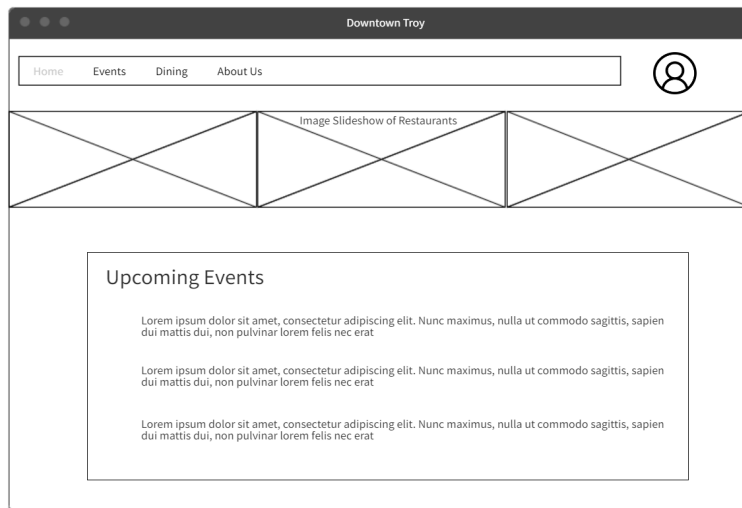
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|--------|---|---------|---|
| Oct 19 | Finish the database work | Nov 28 | Any finishing touches on the website and work on presentation |
| Oct 26 | Start adding javascript features and the APIs | Dec 1 | Any finishing touches on presentation and practice |
| Nov 2 | Work on styling the overall look and theme of website | Dec 4/5 | Practice Presentation |
| Nov 11 | Continue to update website | Dec 6 | Project Due and Presentation |

Site Map



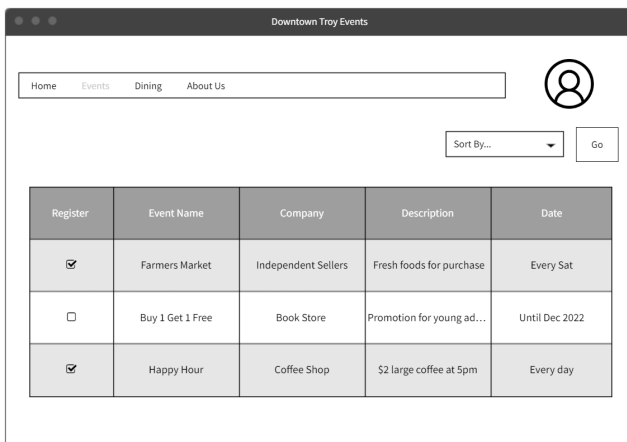
Two Wireframes

Home Page



The home page will feature a gallery slideshow display of local businesses in downtown Troy. Below the gallery, the next upcoming events would be displayed.

Events Page



The events page will show all listed events. Sorting and filtration options will be provided including sort by date and type (ex: restaurant, activity, attraction, etc).

Dining


Downtown Troy Dining

Home

Events





Dining

About Us



Filter by type...

Go

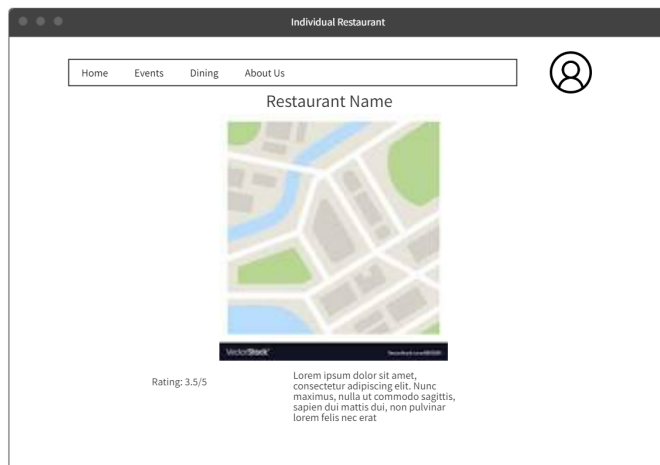
| Name | Rating | Email | Address | Phone Number |
|----------------------|--------|---------------------------|---|--|
| McDonalds | 4.4/5 | Janice_Monahan@yahoo.co | Port Beulah, Troy, NY 12180, United States of America |  969-068-8439 |
| Starbucks | 4.8/5 | Rollin_Fadel@gmail.com | Lake Matilde, Troy, NY 12180, United States of America |  (017) 057-6055 |
| Bagels and Breakfast | 2/5 | Lera_Stroman3@gmail.com | Vicentaview, Troy, NY 12180, United States of America |  166-619-2267 |
| Fish Grill | 3.5/5 | Adan_Schiller19@yahoo.com | VonRuedenberg, Troy, NY 12180, United States of America |  (699) 824-5724 |

The dining page will show all listed restaurants. Sorting and filtration options will be provided including sort by type (ex: sit down, fast food, etc).

About Us

Meet the team page will show details about rtan formatted similarly to our lab 1 home page.


Individual Restaurant



The mockup shows a web browser window titled "Individual Restaurant". At the top is a navigation bar with links for "Home", "Events", "Dining", and "About Us", followed by a user profile icon. Below the navigation bar is a section for the restaurant details. It starts with a placeholder for the "Restaurant Name". Below this is a map showing a street layout with a blue river. Under the map, there is a "Rating: 3.5/5" and a block of placeholder text: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc maximus, nulla ut commodo sagittis, sapien dui mattis dui, non pulvinar lorem felis nec erat".

Clicking on a restaurant in the dining page will pull up a page with a map of the restaurant along with ratings. We plan to make the app interactive and allow all users to write ratings

User Login/Setup



The mockup shows a web browser window titled "User Login/Signup". It has the same navigation bar as the previous page. The main content area is split into two columns. The left column is titled "Sign Up" and contains four input fields labeled "Name:", "Email:", "Password:", and "Confirm Password:". The right column is titled "Log In" and contains two input fields labeled "Email:" and "Password:". At the bottom center, there is a "Go" button.

Two user types: admin and normal user. Admin can add events and businesses. Normal can write ratings and have view permission for everything else.