**Food For Terps**

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**Link to Project Code in GitHub**

[**https://github.com/Food4Terps/Final-Report/blob/master/Terps4Food.zip**](https://github.com/Food4Terps/Final-Report/blob/master/Terps4Food.zip)

**URL to Server**

<http://ec2-18-217-88-178.us-east-2.compute.amazonaws.com/>

**Problem**

The problem that initiated the development of this project was due to the fact that there is only a limited amount of places to eat at on the University of Maryland campus. Students who are on campus may or may not know the other dining area options that are available near the campus.

**Strategies/Solutions**

In order to solve the problem, we decided to make a website that focuses on most if not all the dining venues on campus and near campus. This would be available for use by the community of college park and also any visitors who are visiting the area. We would also include special features such as special featured restaurant, happy hours specials, and incorporate pocket points on the web pages. Pocket points is a mobile app that gives students on campus points that they can uses at dining venues to get a special deal. Pocket point can be used on campus or off campus based on the dining venue. We hope this would attract anyone that in the college park community.

**Rationales and Justifications**

The design of our webpage was based on what would be easy for the user to use. We set the layout of the web page to be simple and user friendly. The Featured Restaurant of the week was to advertise the various different dining venue that is located around the City of College Park. This feature would change on a weekly basis and rotate through all the dining venues. This allows the users to get a look into dining venues that they have either never heard of or never thought of going to.

One design that is still in the working progress is the Pocket Points, as mentioned before pocket points is a way for college student to get student deals that is anywhere from clothes to food. The team's main focus was on the food aspect of Pocket Points. We wanted the website to connect to each student’s personal pocket point allowing them to use their points to get deals at the restaurants that partnered up with pocket points.

One feature that we were able to include is the Happy Hour tab. This is only meant for responsible adults 21 and up. This tab would list all the happy hour specials that goes around the City of College park. Making it easy for the user to acquire when and where each dining venues had happy hours.

**Final Solutions**

The final system solves the problem in that it lists all of the different restaurants located in the College Park area, which allows members of the UMD community to be aware of the vast amount of restaurant choices they are able to choose from. The application greatly assists with helping to limit the indecisiveness that people may have when deciding where to eat. In addition, the application attempts to help the user save as much money as possible by incorporating the use of Pocket Points as well as listing all of the restaurant specials that are occurring in a given week.

**Challenges**

One of the challenges faced was finding a time where all the members of our group were able to collectively meet as a unit. As college students, we were all very busy with our own personal daily schedules, which is the main reason of why finding a common time where all members were available was difficult. A second challenge came with the Apache server, in that it was difficult to get it running in a way that allowed MySQL and PHP to be able to communicate with each other. A third challenge came with trying to successfully run the application on a remote server. While creating the instances with AWS was not difficult, it was definitely much harder to successfully implement everything together in a way that allowed the application to be installed and running on the server.

**Future Work**

Future work would include having the database of the Pocket Points application be used with the application to create a more efficient system with the user’s use of Pocket Points. It would also include different aspects to enhance the user’s experience with using the application, such as allowing users to leave their own ratings or comments on restaurants in the College Park area as well as allowing users to find the exact location of restaurants through our application.