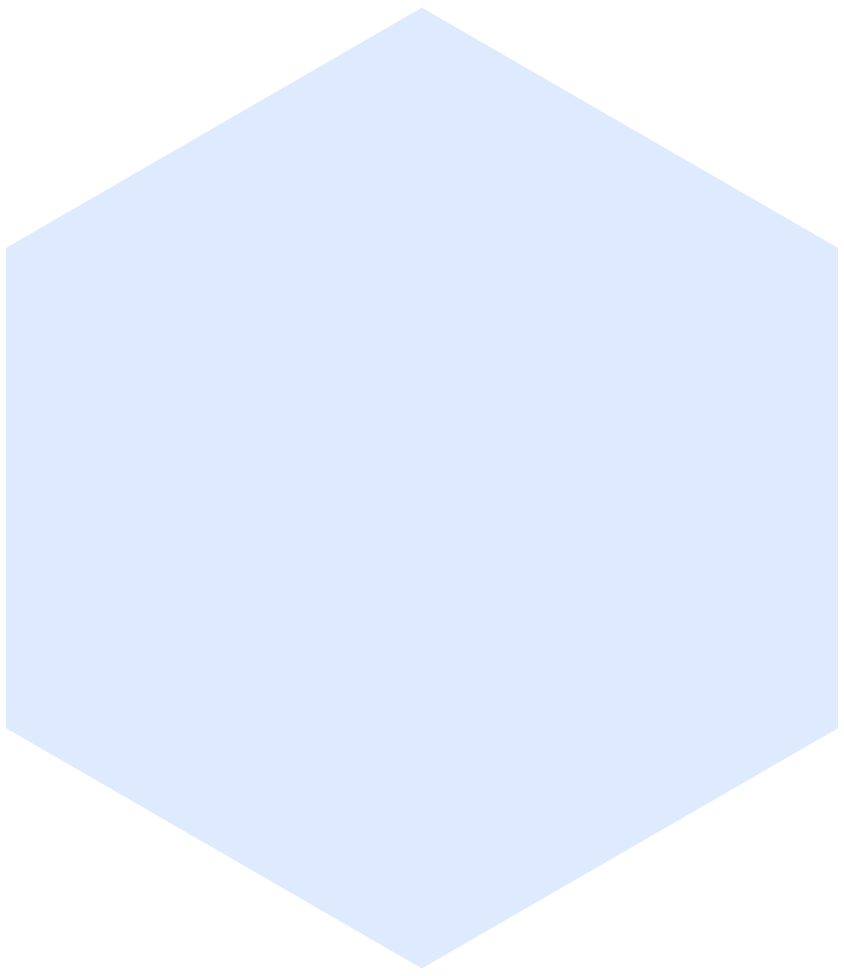
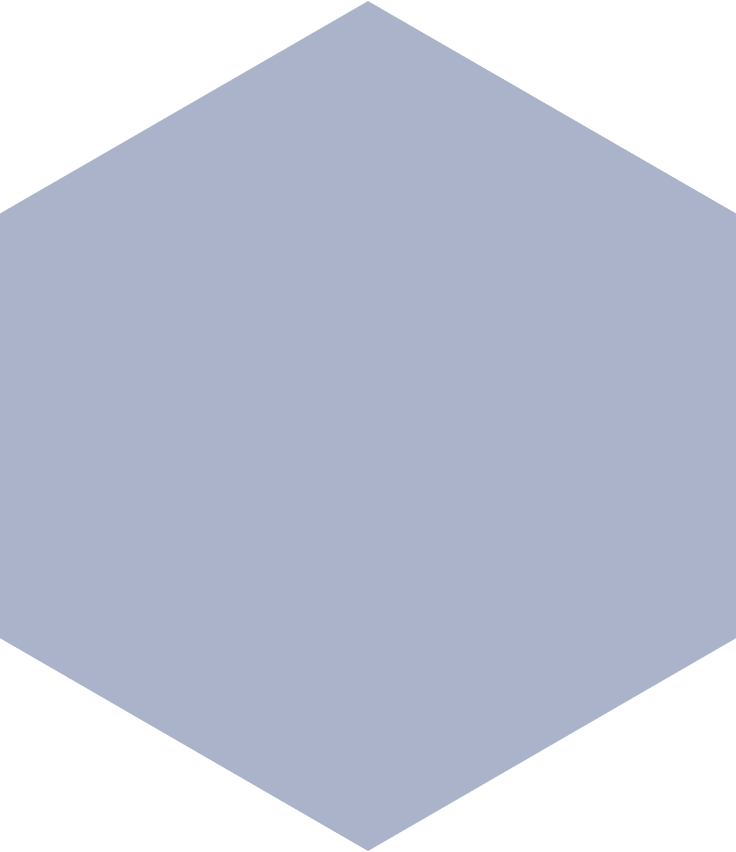


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| **Hexagon Animal Shelter** |
| INFO-I211-21169  Final Project Proposal |
| **Group 14**  Sarah Harris  Giovonni Taylor |
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Table of Contents

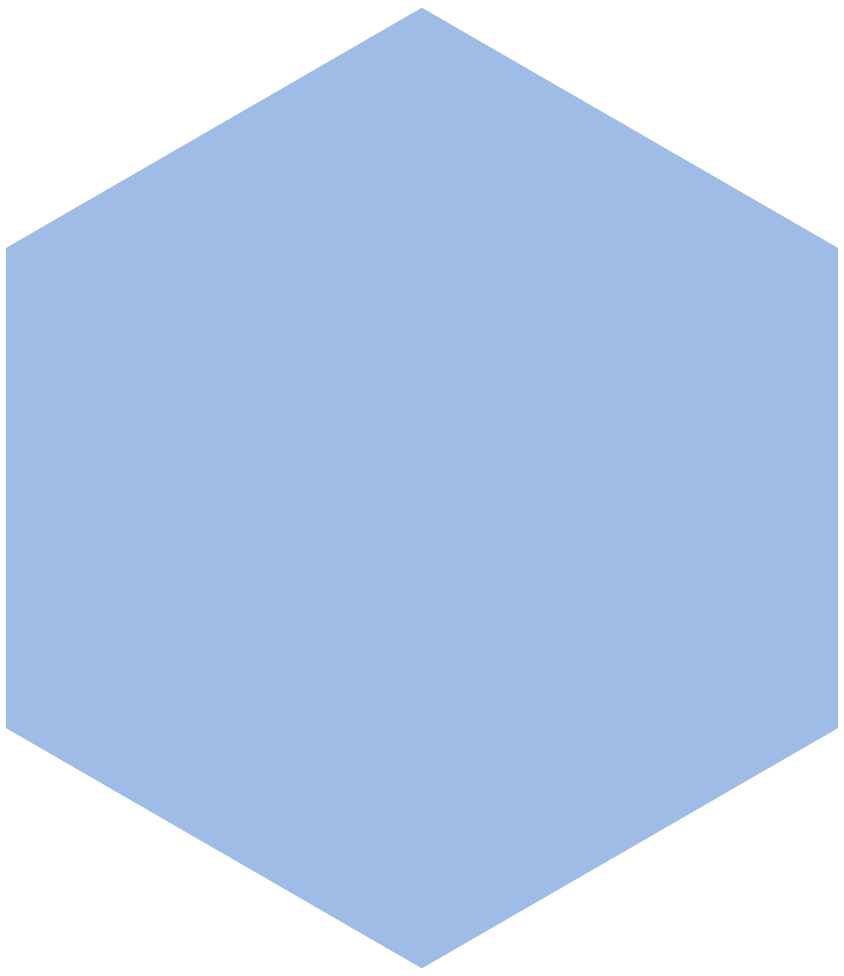
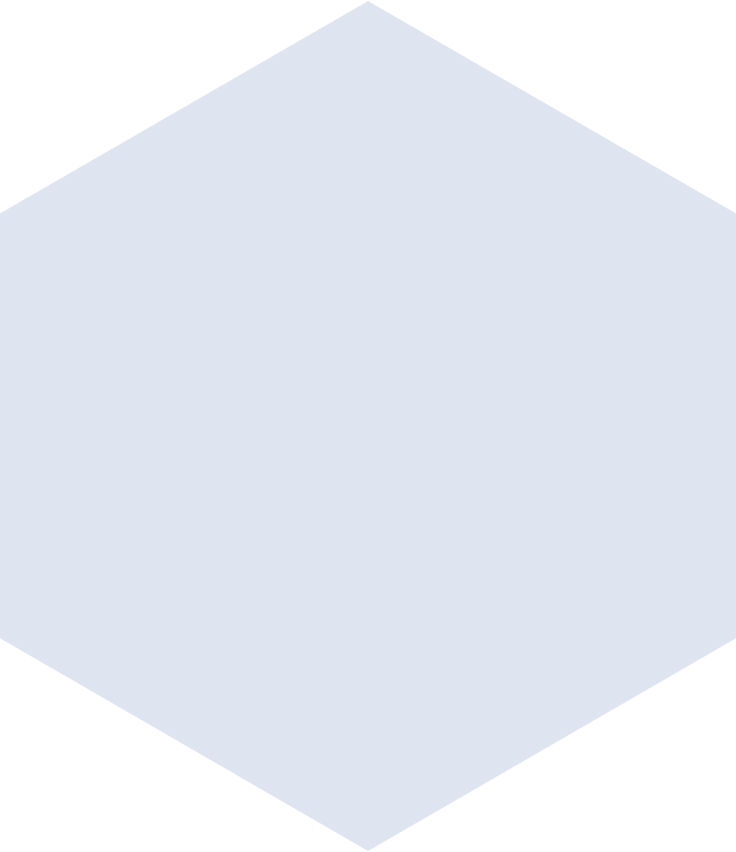
Section 1



Group 14: Final Project Proposal 2

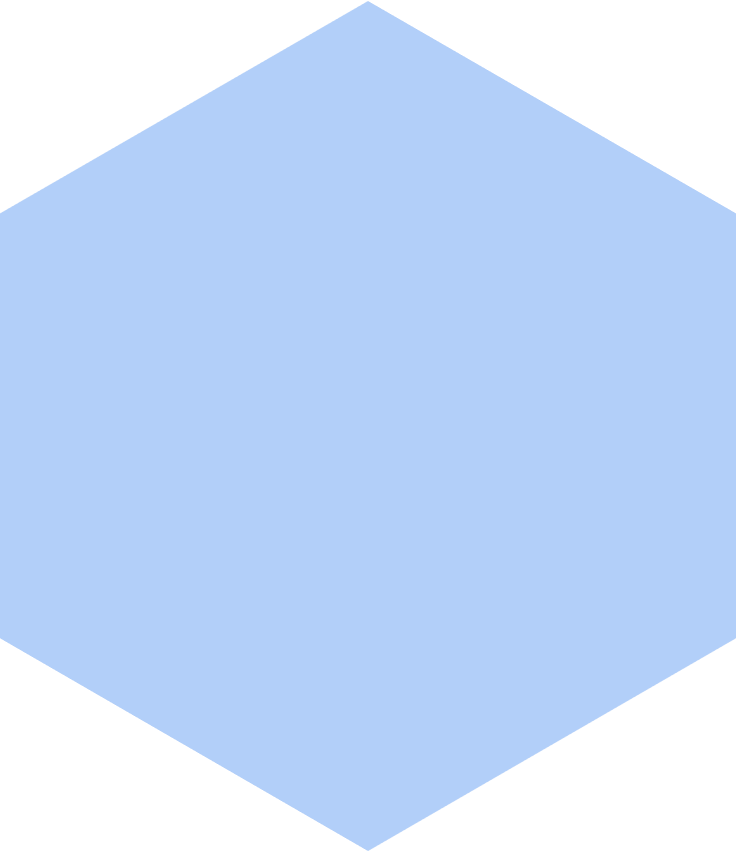
Final Project Overview 3

Problem, Solution, and Technical Requirements



Group 14 Responsibilities 4

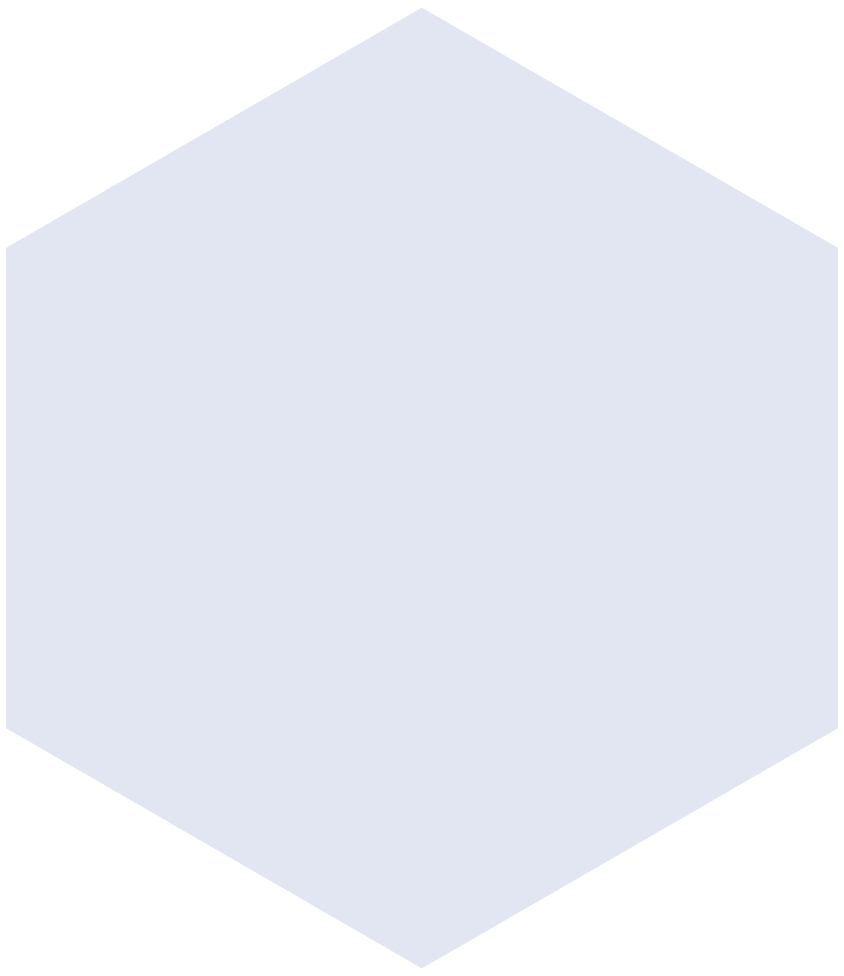
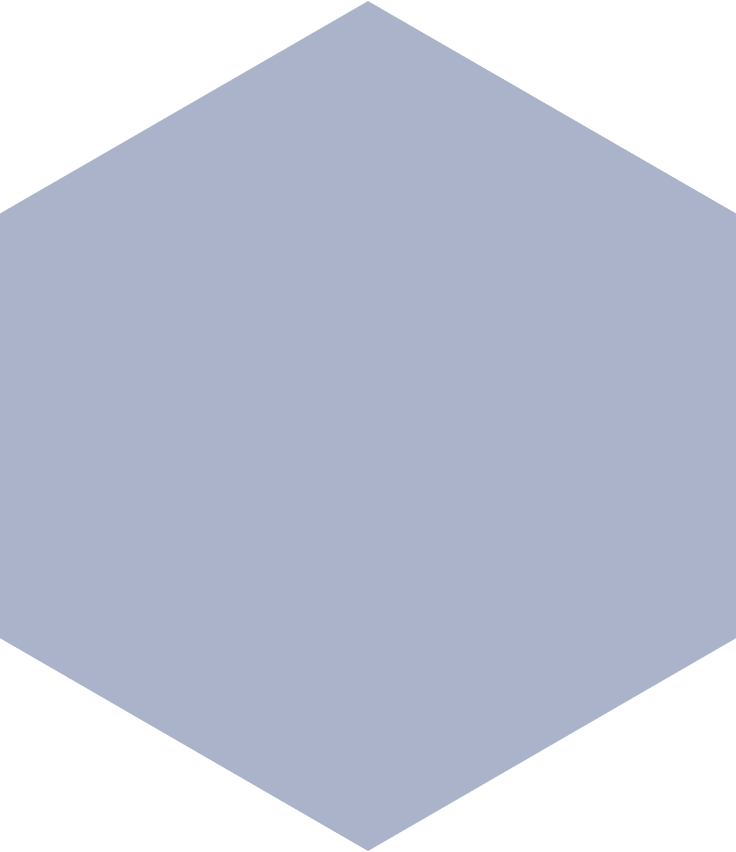
Group 14 Members and Responsibilities Agreement

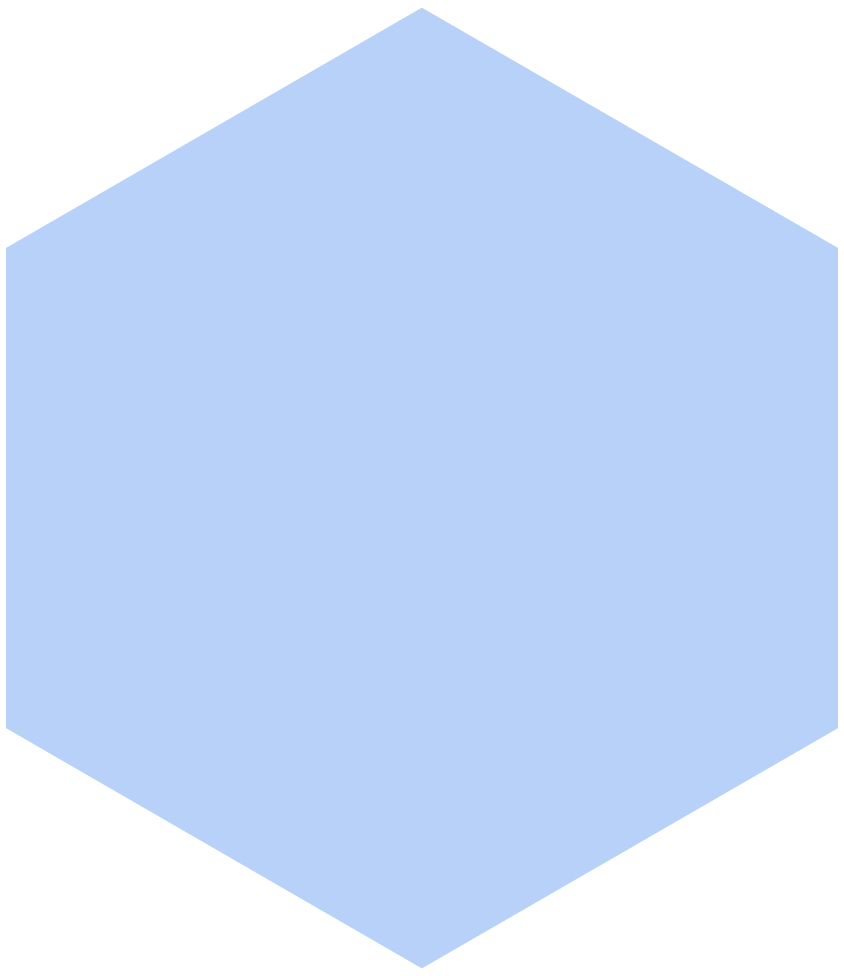
Section 2

Group 14: Final Project Documentation 5

Hexagon Animal Shelter Site Navigation 6

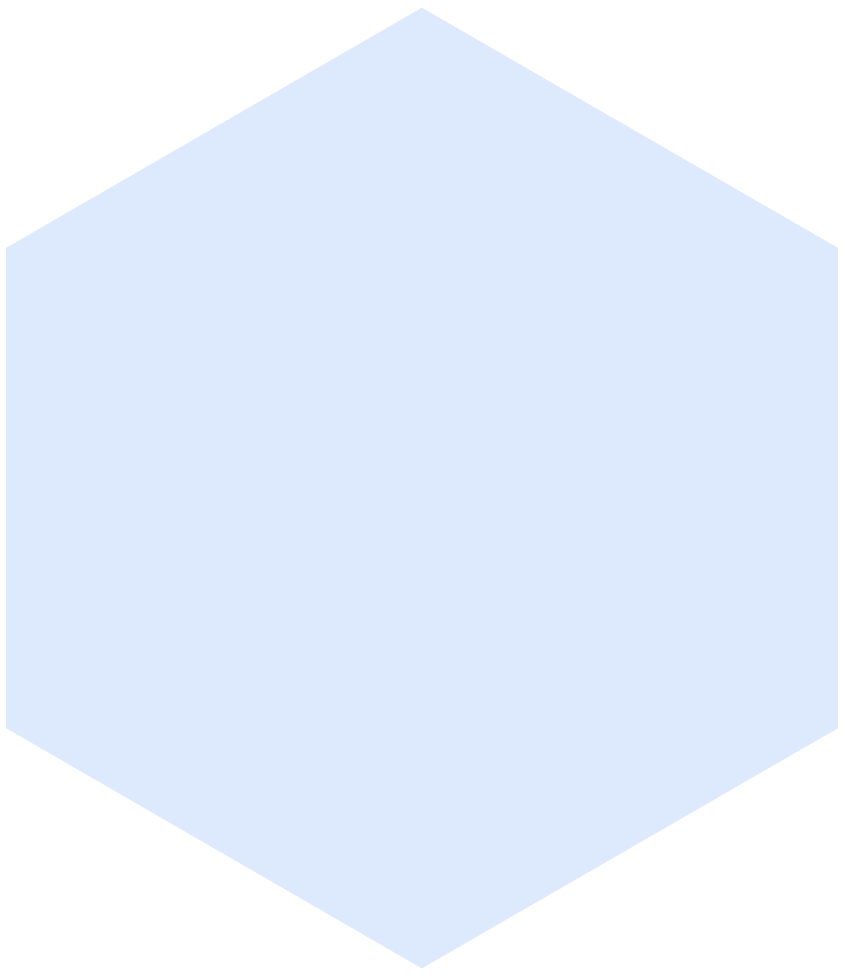
Site pages, Site Map



Animal Adoption Application Functionality 7 - 8

List of Functionalities and Features, Data Structure

Animal Adoption Application Classes 9 - 10

List of Classes for Model, Controller, and View

Animal Adoption Application MVC Diagram 11

MVC Diagram for Hexagon Animal Shelter’s Animal Adoption Application

Animal Adoption Application Error Handling 12

Error Handling for the Application

Group 14: Final Project Review 13

Thoughts from Sarah, Giovonni, and Group 14

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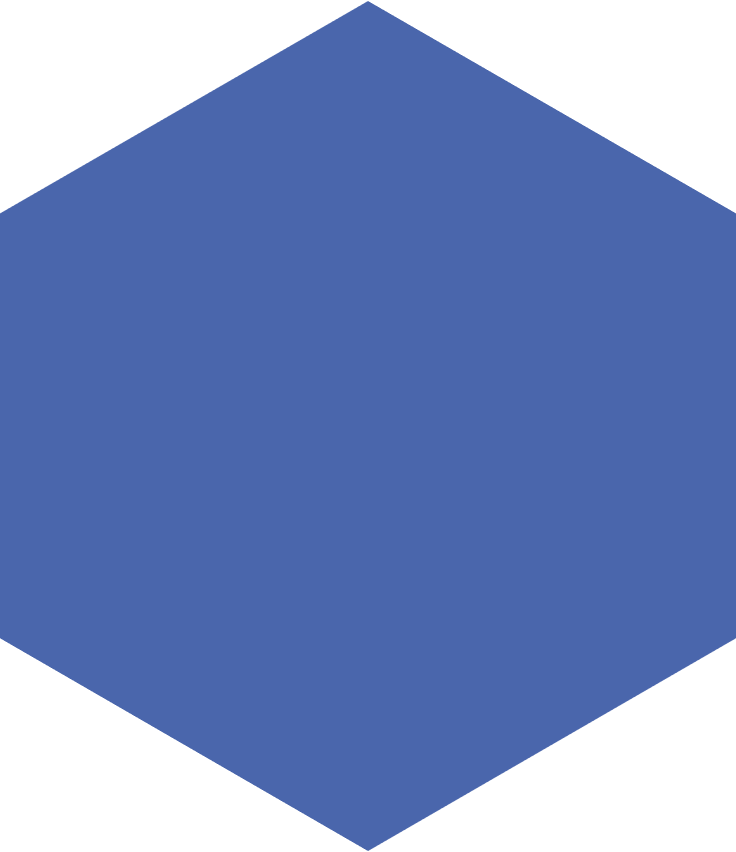
Part

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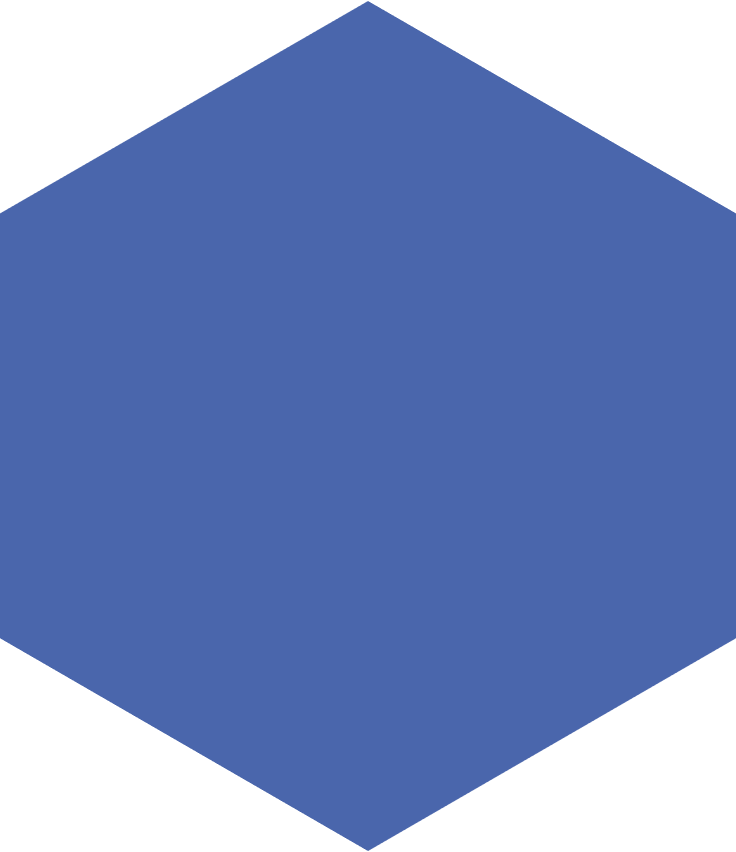
Group 14 Final Project Proposal

*Hexagon Animal Shelter Website*

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| Overview |
| Hexagon Animal Shelter Website |
| The Problem Hexagon Animal Shelter is in need of assistance. Animal shelters all over need people to adopt the animals they have rescued, and Hexagon is no exception. Their shelter can fill quickly, so they need a cohesive way to keep track of which animal guests are currently residing in their facility. Hexagon is also looking for a way for people to learn more about their shelter. They long to see each and every animal find its forever home.. The Solution We have a solution for Hexagon Animal Shelter. Together, Group 14 and Hexagon have chosen to create a website and web application to solve their problems. The advantage to having this information available online is that potential adopters can view animals that are currently in the facility as well. For this reason, the website will allow for user profiles to be created for public users, where they can make appointments to visit the animals and potentially adopt them. The end result is a database of all of the animals living in Hexagon as well as an adoption scheduling tool available to the public. Technical Requirements For this dynamic website, Group 14 will implement an MVC design approach to create it. There will be a Model, View, and Controller for both the animal data as well as the user data. Administrator users will be able to edit data dynamically via the site. It will  be programmed with PHP, SCSS, CSS, JavaScript and HTML. The data will be stored into a MySQL database, accessed by using PhpMyAdmin. |



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| Group 14 |
| Members and Responsibilities |
| Group 14 Group 14 is comprised of two members, Sarah Harris and Giovonni Taylor. They will be completing this Final Project for I211 together. Sarah Harris Sarah is a sophomore in SOIC’s Media Arts and Science Program specializing in Web Design and Development. She is also minoring in Informatics at SOIC and minoring in Information and Computer Technology at the Purdue School of Engineering at IUPUI. Sarah is aspiring to be a front-end developer, creating dynamic and interactive websites and web applications that are easy to use (as well as easy on the eyes). Responsibilities Due to her skill set, Sarah has chosen to be in charge of the functionality of the View parts of the MVC design. In addition, she is responsible for the design, imagery, animal/site data, and most of the documentation for this project. As all group members are required, Sarah will help Giovonni with any issues. Giovonni Taylor Giovonni is an Informatics student minoring in Biology at IUPUI. Interests include video games, working out, and browsing YouTube. After school, Giovonni intends to secure a position at Roche. Responsibilities Due to his skill set, Giovonni has chosen to be in charge of the functionality of the Model and Controller parts of the MVC design. In addition, he is responsible for the database setup, model table for documentation, and part of the MVC diagram for this project. As all group members are required, Giovonni will help Sarah with any issues. |



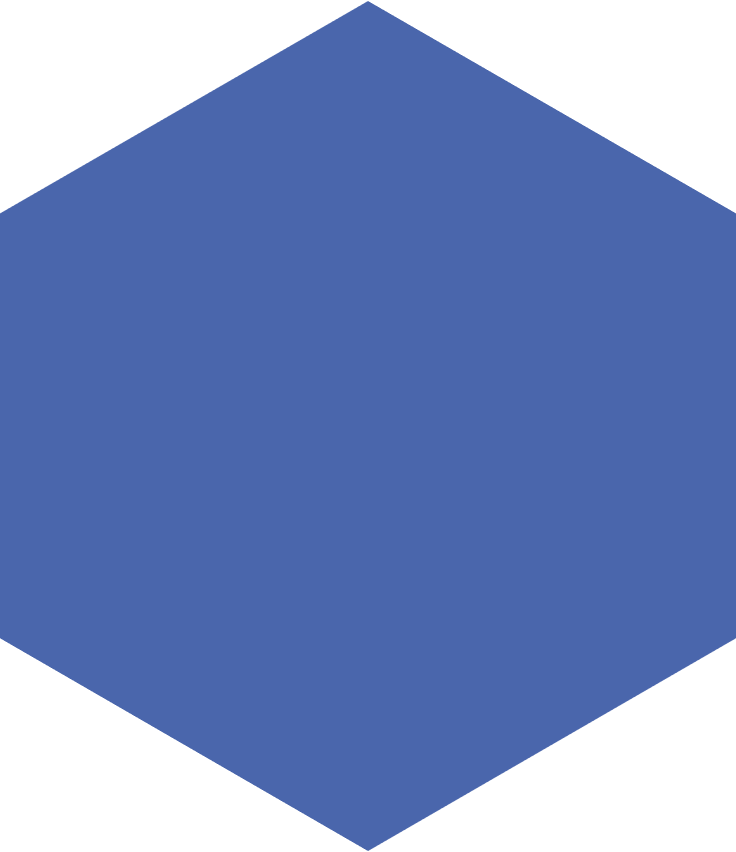
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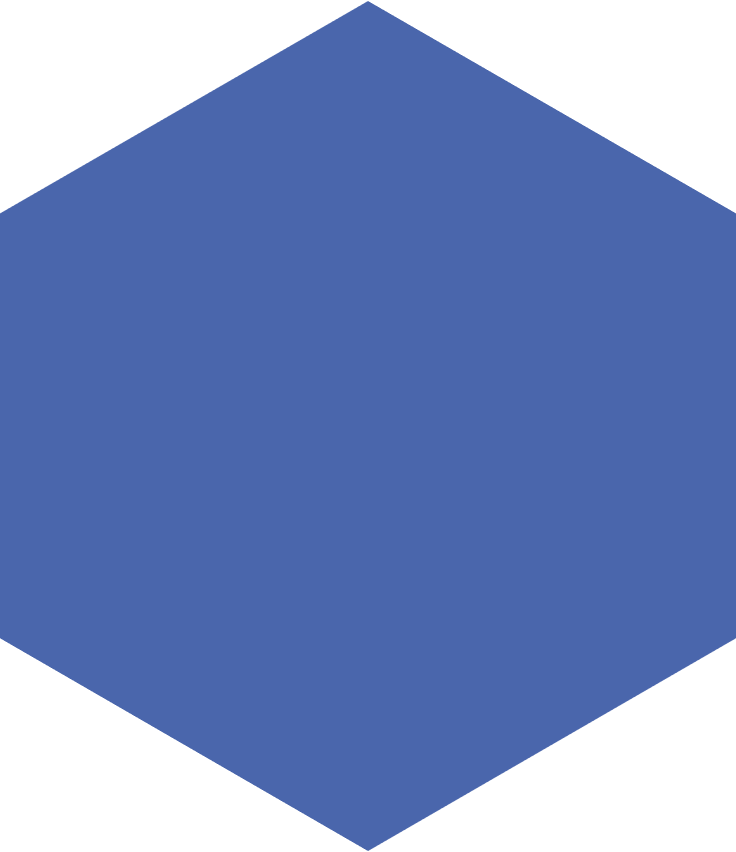
Group 14 Final Project Documentation

*Hexagon Animal Shelter Website*

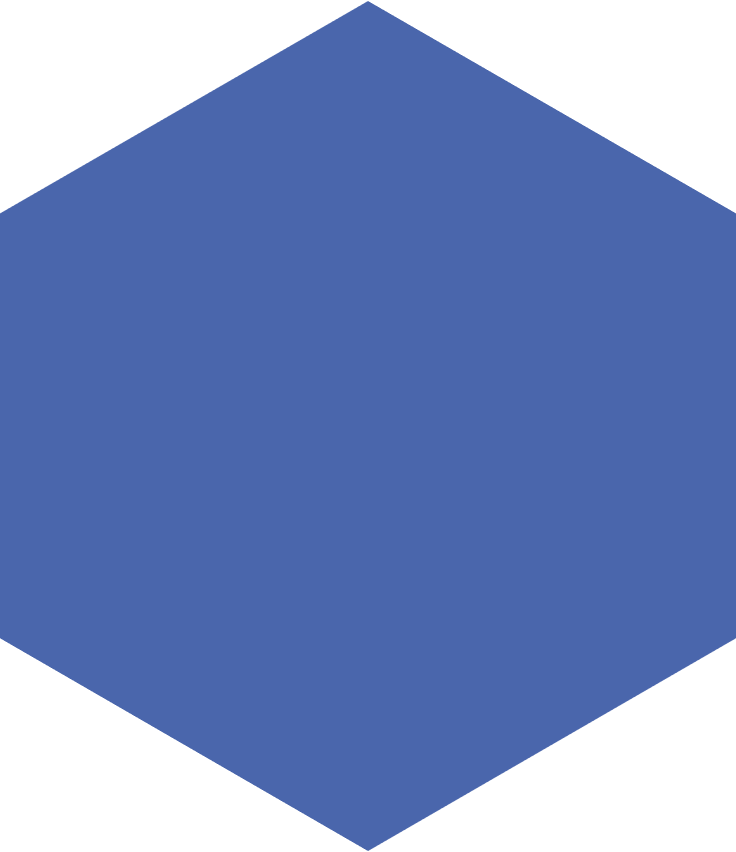
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| Site Navigation |
| Hexagon Animal Shelter Website |
| Hexagon Animal Shelter Pages On this website, there will be different pages created within the MVC design. The site map shows how users can navigate to these pages. Site Map |



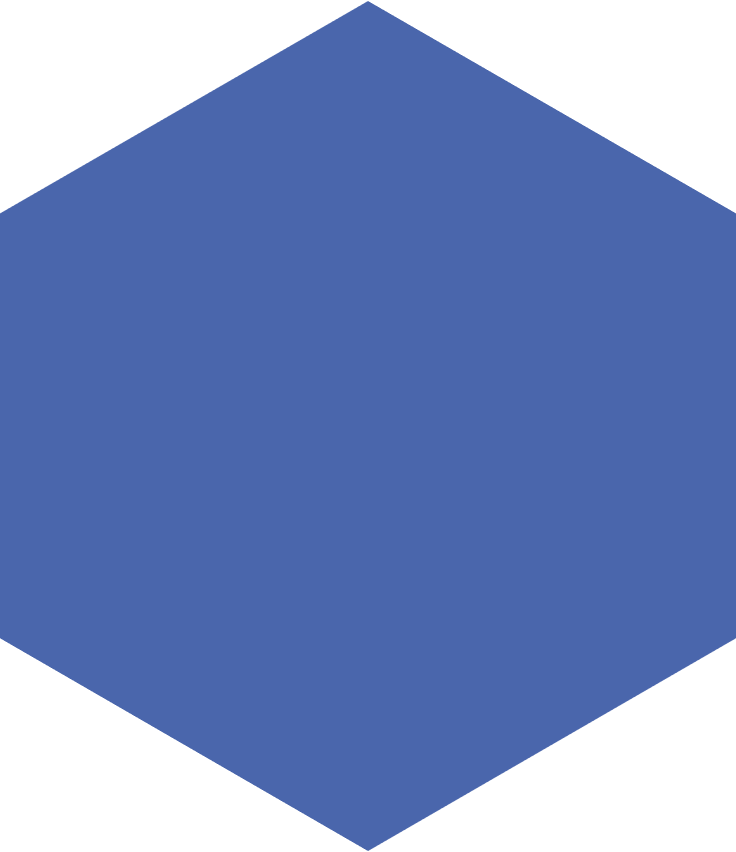
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| Animal Adoption Application |
| Functionality of Hexagon Animal Shelter Website |
| List of Features and Functions The Animal Adoption Application in the Hexagon Animal Shelter Website will complete two main functions: regulation of animal data and regulation of user data.   * Visit home page * Visit about page * Visit contact page * Visit all animals page * Visit each animal profile page * Search animals by name or breed * Register user * User Login * User accounts:   + View user profile   + Edit user information   + Users must be at least 18 years of age to adopt or create a profile * Administrator User Additional Features:   + View all users   + Edit animal profile   + Delete animal profile   + Add animal profile * Handle errors   + Let users know if errors occur   + Stop database transactions if errors occur  Data Structure Below is the structure of animal and user data that will be used in the Database   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | | User Data | | | | | | | | | Id | Username | | Password | Firstname | Lastname | Email | Phone | Birthday | Admin | | auto | sh39 | | Sh39 | Sarah | Harris | sh@mail.com | 1231231 | 04/02/1999 | 1 | |  | giovonniT | | Gt789 | Giovonni | Taylor | gt@mail.com | 3213213 | 09/07/1997 | 1 | |  | ranChang | | Php123 | Ran | Chang | rc@mail.com | 7897890 | 09/02/1979 | 1 | |  | tubaGuy | | 123Tuba | Jacob | Kopis | [jk@mail.com](mailto:jk@mail.com) | 4564567 | 12/19/1999 | 0 | |



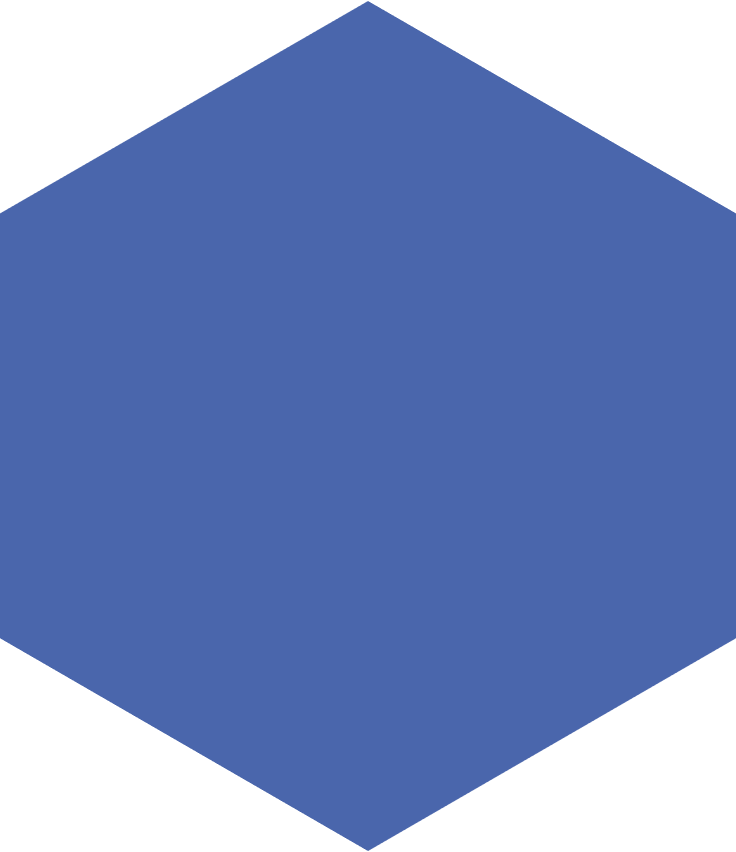
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| Animal Adoption Application (Continued) |
| Functionality of Hexagon Animal Shelter Website: Animal Data Structure |
| |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  | | Animal Data | | | | | | | | Id | Name | Type | | Breed | Sex | Age | Fee | Image | Description | | auto | Blue | Dog | | Chocolate Lab | M | 12 | 15 | www/img/blue.jpg | Friendly old dog, not very energetic, but loyal. | |  | Fred | Dog | | Chocolate Lab | M | 7 | 20 | www/img/fred.jpg | Very friendly, but aging. Good with kids. | |  | Jojo | Dog | | Blue Heeler | F | 4 | 30 | www/img/jojo.jpg | Very energetic and friendly. | |  | Gabby | Dog | | Blue Heeler | F | 3 | 35 | www/img/gabby.jpg | Somewhat energetic and shy. | |  | Dakota | Dog | | Australian Shephard | F | 1 | 40 | www/img/dakota.jpg | Very energetic and friendly. Protective of trusted people. | |  | Jack | Dog | | Boston Terroir | M | 3 | 30 | www/img/jack.jpg | Very hyperactive, but tires easily. Does not like being away from trusted people. | |  | Truman | Dog | | Golden Retriever Doxin Mix | M | 5 | 20 | www/img/Truman.jpg | Needs a lot of attention, but overall not too energetic. Friendly, but mischievous. | |  | Scooter | Dog | | Australian Shephard  Blue Heeler  Mix | M | 4 | 30 | www/img/scooter.jpg | Very well behaved. Possibly trained to be a service animal in the past. Very sweet, but energetic at times. Great dog for families. | |  | Whiskers | Cat | | Calico | F | 6 | 20 | www/img/whiskers.jpg | Friendly cat who loves to play. | |  | Lara | Cat | | Siamese | F | 8 | 15 | www/img/lara.jpg | Older cat that doesn’t need much attention. | |  | Peaches | Cat | | Siberian | F | 2 | 40 | www/img/peaches.jpg | Playful kitten who loves kids! | |  | Pan | Cat | | American Shorthair | M | 1 | 30 | www/img/pan.jpg | This kitten is very energetic and playful. Very sweet and good with children. | |  | Benny | Cat | | Bengal | M | 9 | 15 | www/img/benny.jpg | This cat is older and is not advised for homes with kids. | |  | Mana | Cat | | Egyption Mau | F | 5 | 30 | www/img/mana.jpg | Shy, reserved cat with normal energy levels. Perfect for owners who are busy. | |  | Fluffy | Cat | | Ragdoll | F | 4 | 35 | www/img/fluffy.jpg | Younger, energetic cat. | |  | Kyle | Cat | | Manx | M | 12 | 15 | www/img/kyle.jpg | Mischievous old cat. Very fun to play with. | |  | Rachel | Cat | | Ocicat | F | 1 | 25 | www/img/rachel.jpg | Kitten who is feisty. | |  | Gwen | Cat | | Silver Tabby | F | 1 | 30 | www/img/gwen.jpg | Kitten who is sweet. | |  | Dorothy | Cat | | Havana | F | 2 | 20 | www/img/dorothy.jpg | Kitten with an attitude. Very fun personality. | |



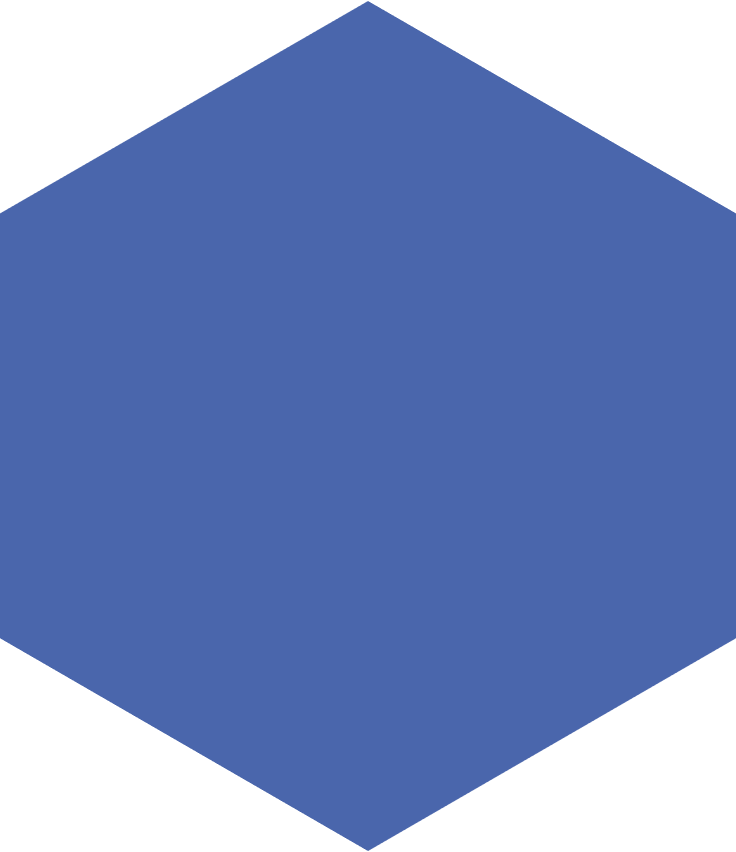
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| Classes |
| Animal Adoption Application Classes: Model, Controller and Router |
| Classes For this project, there are classes within a View, Model, and Controller, as per the MVC design. Two variants will be for both, as there is user and animal data. Model Classes These model classes will be models of user and animal. Users have the user data, while animals have the animal data. This data is stored in the database and will be called via these models.   |  |  |  | | --- | --- | --- | | Model Classes | | | | Animal | | | | *Name* | *Location* | *Description* | | animal.class.php | model/animal.class.php | Defines the **Animal** class | | animal\_model.class.php | model/animal\_model.class.php | The model class for Animal object | | User | | | | *Name* | *Location* | *Description* | | user.class.php | model/user.class.php | Defines the **User** class | | user\_model.class.php | model/user\_model.class.php | The model class for User object |  Controller Classes There will be two controllers for this application, one controlling matters of animal data, and one controlling matters of user data. Router Class The router will direct to the correct controller depending on which data the user is trying to interact with. View Classes The view classes control what the user sees. According to what they are doing, there will be a view for home, about, contact, user profile, all animals, and animal details. On the following page, a full table of all the classes can be found. |



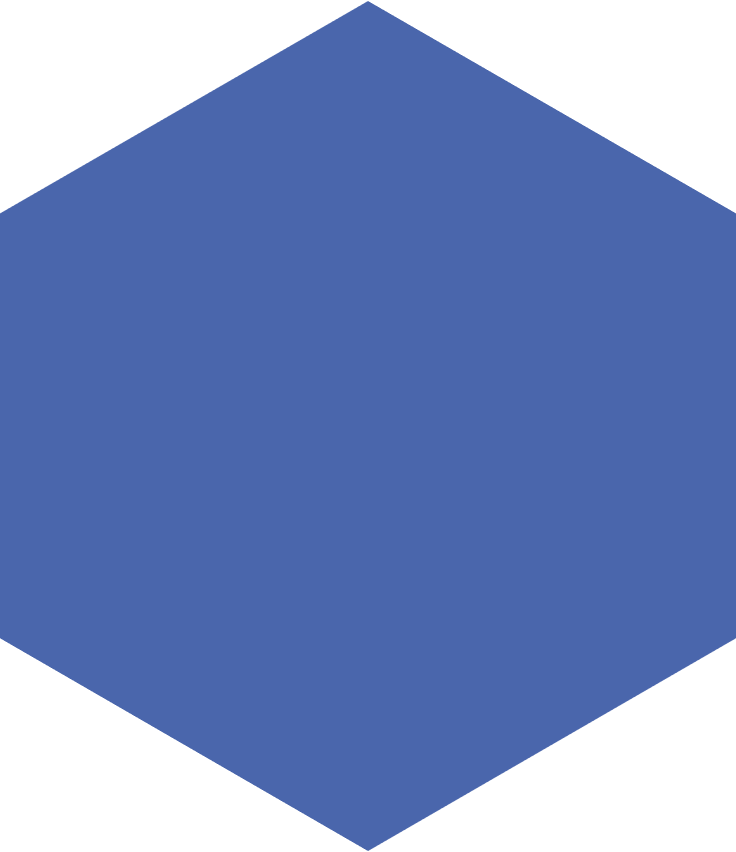
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| Classes (Continued) |
| Animal Adoption Application Classes: View |
| |  |  |  | | --- | --- | --- | | View Classes | | | | Main | | | | *Name* | *Location* | *Description* | | Index | view/index.class.php | Parent class of all View classes | | Home | view/home.class.php | Home Page | | About | view/about.class.php | About Page | | Contact | view/contact.class.php | Contact page | | Animal | | | | *Name* | *Location* | *Description* | | Index | view/animal/animal\_index\_view.class.php | Displays all animals | | Details | view/animal/animal\_details.class.php | Display’s a specific animal’s details | | Edit | view/animal/animal\_edit.class.php | Edit an animal’s details | | Add | view/animal/animal\_add.class.php | Add an animal | | Delete | view/animal/animal\_delete.class.php | Delete an animal | | Success | view/animal/animal\_success.class.php | Success for adding/deleting/editing | | Error | view/animal/animal\_error.class.php | Any error occurs | | User | | | | *Name* | *Location* | *Description* | | Index | view/user/user\_index\_view.class.php | Home page after user logs in | | Login/Register | view/user/user\_login.class.php | Login/register user | | Details | view/user/user\_details.class.php | Details of the user | | Edit | view/user/user\_edit.class.php | Edit user details | | Delete | view/user/user\_delete.class.php | Delete user account | | Success | view/user/user\_sucess.class.php | Success for adding/deleting/editing | | Error | view/user/user\_error.class.php | Any error occurs | |



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| MVC Diagram |
| Animal Adoption Application MVC Structure |
| MVC Structure On the Insert tab, the galleries include items that are designed to coordinate with the MVC Diagram |



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| Error Handling |
| Hexagon Animal Shelter Website |
| Error Handling On completion, thoughts will be displayed. |



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| Feedback |
| Group 14 Thoughts on Final Project |
| Sarah Harris On completion, thoughts will be displayed. Giovonni Taylor On completion, thoughts will be displayed. Group 14 Final Thoughts On completion, thoughts will be displayed. |

