Assignment 2: Software Requirements Specification

Team: Pet Website Filter

Project Title: Pet Finder

## Members:

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3. Pradeep Bhat
4. Ali Alobaidi

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| **Meetings date** | **Participants** |
| 09/20/2020 | Ali Alobaidi, Pradeep Bhat |
| 09/21/2020 | Pradeep Bhat, Collin Veit, Ali Alobaidi, Alex Kishek |
| 09/26/2020 | Pradeep Bhat, Collin Veit, Ali Alobaidi, Alex Kishek |

***~~NOTE: Priority is from 1-5 (1 being most priority, 5 being least priority)~~***

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| **Stakeholders** | **Requirements** |
| Adoption Agencies | FR1: Make an account on the website  FR2: Update the profile page  FR3: Fill out questionnaire about pets  FR4: Add pets to the database  FR5: Login to adoption agency profile page  FR6: Reset adoption agency profile password  FR7: Upload picture of pet  NR1: Any outsiders will not have write access to any profile pages |
| Website Server | FR8: Show list of pets  FR9: Show list of local adoption agencies  FR10: Show details about pet  NR2: Up to date database technology for data protection  NR3: Protect against SQL Injection |
| English Speakers 16+ | NR4: Users do not have to register to browse for pets  NR5: Personal information is not fetched from users  FR11: Fill out the questionnaire  FR12: Provide zip code for local results  FR13: Describe living conditions in the questionnaire  FR14: Specify which pet personality would work for the user  FR15: Filter results based on questionnaire |

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| **FR1. Make an account on the website** | | |
| Goal: The system will let the adoption agency create a profile | | |
| Stakeholders: Adoption Agencies | | |
| When an adoption agency comes onto the site, they can click on the sign-up link to set up a profile of their agency. They will be able to fill out details of their agency such as name, location, and contact information. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 3 |

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| **FR2. Update the profile Page** | | |
| Goal: The system will let the adoption agency update their profile page with new information | | |
| Stakeholders: Adoption Agencies | | |
| When an adoption agency logs into their account they can navigate to their profile and update their profile with any new information that they may require. Such as a new location or updated contact Information. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 4 |

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| **FR3. Fill out questionnaire about pets** | | |
| Goal: The system will prompt the user with several questions to identify their pet of choice. | | |
| Stakeholders: End Users | | |
| Upon making an account, the customer can fill out a questionnaire about their personality, behavior type, interests, and other qualities that can help match the best breed for that user. The questions will target the personalities of specific breeds and depending on how the user responds to the questionnaire our system will match the proper breed. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 1 |

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| **FR4. Add pets to the database** | | |
| Goal: The system will let adoption agencies add their pets to the database. | | |
| Stakeholders: Adoption Agencies | | |
| Once a questionnaire has been filled out, adoption agencies can save the data about the pet and add it’s details to the database by hitting the save button. The system will take the filled out information and save it into the database to be retrievable at any given point. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 2 |

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| **FR5. Login page for adoption agencies** | | |
| Goal: The system will greet the user with a login page so that they may log into their profile. | | |
| Stakeholders: Adoption Agencies | | |
| After an agency creates an account, they will be able to log into their profile from here. Agencies will be directed to a login page in which they would put in their email and password to login their profile. Agencies can add pets to the database, which the average user can’t do. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 1 |

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| **FR6. Password reset function** | | |
| Goal: The system will allow the user to reset their password through email. | | |
| Stakeholders: Adoption Agencies | | |
| When an adoption agency forgets their password to their account, they will need to be able to reset their password to log in. This page will allow them to reset their password by entering the email they have saved in their account profile. They can then reset their password within the provided email link. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 3 |

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| **FR7. Upload a picture of the pet** | | |
| Goal: The system will let adoption agencies upload a picture of the pet. | | |
| Stakeholders: Adoption Agencies | | |
| When the agency is filling out the questionnaire about the pet, they will have an option to upload a picture of the pet. The system will take the image and save it into the database to be retrievable at any given time. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 2 |

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| **FR8. Show list of pets** | | |
| Goal: Display a list of pets that aligns with the questionnaire responses | | |
| Stakeholders: End Users, Adoption Agencies | | |
| A list view of pets with descriptions and pictures will appear for the user to browse after the system finds the proper breed for that based on the questionnaire responses. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 1 |

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| **NFR1. Only logged in users will have write privileges for profiles** | | |
| Goal: The system will not allow users that are not logged in to add any information to databases. | | |
| Stakeholders: Adoption Agencies | | |
| When a user who is not logged in, they will not be able to change information for an adoption agencies page. They will also not be able to add animals to the database. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 3 |

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| **FR9. Show list of local adoption agencies** | | |
| Goal: The system will show users local adoption agencies that have the breed of animal that they want. | | |
| Stakeholders: End Users, Adoption Agencies | | |
| When the questionnaire is complete, and the user sees the results there will be an option to show local adoption agencies that have the desired pet that is wanted. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 2 |

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| **FR10. Show details of pet** | | |
| Goal: The system will show users the details of the pet once selected from a list of pets | | |
| Stakeholders: End Users, Adoption Agencies | | |
| When a pet is selected from the list of pets shown, the system will send the user to another page containing details of the pet such as the questionnaire results and adoption agency information | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 1 |

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| **NFR2. Up to date database technology for data protection** | | |
| Goal: Up to date database technology for data protection | | |
| Stakeholders: Adoption Agencies | | |
| The database will use the most up to date technology to ensure that all user data is protected in terms of versioning and security. This will include restricting access and encrypting data. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 1 |

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| **NFR3. Protect against SQL Injection** | | |
| Goal: The system will protect against SQL injection attacks | | |
| Stakeholders: End Users, Adoption Agencies | | |
| The system will protect the database against SQL injection attacks by ensuring all form input is validated and only parameterized queries will be used throughout the codebase. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 3 |

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| **NFR4. Users do not have to register to browse for pets** | | |
| Goal: ensure that users can browse animals without having to be signed in. | | |
| Stakeholders: End Users, Adoption Agencies | | |
| A user will be able to browse all the animals to see information about them without needing to log in. If a user must create an account just to browse it could scare them away from using the web app. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 4 |

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| **NFR5. Personal information is not fetched from users** | | |
| Goal: Ensure that only Agencies have their info saved to the database | | |
| Stakeholders: End Users, Adoption Agencies | | |
| Any user who is not logged in will not have any personal information saved to our database. | | |
| Origin: Based on initial project specification document, team members came up with this description during the first meeting. | | |
| Version: 1.0 | Date: 09/26/2019 | Priority: 3 |

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| **FR11. Fill out the questionnaire** | | |
| Goal: Website users can fill out a questionnaire to filter search their search results for pets in the database. | | |
| Stakeholders: End Users, Adoption Agencies | | |
| This does not require an account to do this action. Users can select choices based on living conditions, wants, or personal preferences. Multiple questions will be asked to the user, the default selection will be “I don’t know” so that if they don’t have an answer for a specific question, they can leave that as the selection then move on. | | |
| Origin: From the original project proposal, the team leader suggested this feature. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 1 |

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| **FR12. Provide zip code for local results** | | |
| Goal: Narrow down search results so that users will not have to view all the database’s data from different locations. | | |
| Stakeholders: End Users, Adoption Agencies | | |
| Users will be able to view results from areas near them, this is to limit how much time it takes for them to see results. They will enter their zip code within the questionnaire and provide feedback if the code happens to be invalid. | | |
| Origin: An idea that was brought up when coming up with the Mockup UI from the first presentation. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 2 |

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| **FR13. Describe living conditions in the questionnaire** | | |
| Goal: Help users with specific living situations view pets they want in the database they feel would fit in their homes. | | |
| Stakeholders: End Users, Adoption Agencies | | |
| The questionnaire will provide fields where they can describe their living conditions. This is to prevent them from getting a result and getting the pet only to realize the pet won’t work with their living conditions. Those results won’t show up, preventing that situation from happening. | | |
| Origin: From the original project proposal, the team leader had it as one of the pieces of information the user could submit. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 2 |

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| **FR14. Specific which pet personality would work for the user** | | |
| Goal: Allow users looking for a pet to choose what pet personalities they want, in the questionnaire. | | |
| Stakeholders: Ends Users, Adoption Agencies | | |
| It’s better to specify what personalities pets have once the results show up for users after taking the questionnaire. This is so, for example, a user doesn’t end up with a hostile pet when they were looking for a calm pet, they could run into that issue when describing the living conditions. A personality filter will prevent this case from occurring. | | |
| Origin: From the original project proposal, the team leader wants users to have the ability to find which pets have personalities that work for them. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 1 |

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| **FR15. Filter results based on the questionnaire** | | |
| Goal: When users fill out the questionnaire, there will be a filtering system to help display the correct results to them based on their answers. | | |
| Stakeholders: End Users, Adoption Agencies | | |
| This filtering system will fetch pets from the database based on what the user filled out in the questionnaire. After the user clicks submit, multiple pets will be displayed on the screen with descriptions, tags, and the location of the pet. | | |
| Origin: From the original project proposal, filtering search results will be a major tool on this website. | | |
| Version: 1.0 | Date: 09/28/2020 | Priority: 2 |