

Name of Project

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PROJECT PROBLEM STATEMENT

Discuss the problem or opportunity that is scheduled for resolution.

When searching for a cat or dog online it can be difficult if you are searching for specific characteristics. Because of this, we will make a program that will allow one to search for characteristics for either a cat or dog at a humane society.

CONCISE DESIGN OVERVIEW

After researching potential technologies you will identify the components of your solution. Develop a prototype or model of what your final solution would look like, providing abstract information about the individual components.

We will be using Excel to store data about the animals. For now, the user will enter data about what animal they want into IntelliJ, but later they might be able to enter it into Excel directly. And currently the output is also in IntelliJ but in the future may be done in Excel.

The cat and dog objects are stored in ArrayLists. Cats and Dogs are subclasses of the Animals class. There is a class for humane societies. Within the class there is a method to return the number of animals of a particular type.

SCOPE STATEMENT

SMART goals or objectives would include deliverables. Clarify as necessary what the scope includes and does not include.

The scope includes the user being able to enter certain characteristics of a dog or cat that they want. The program will then output how many of the animal are available, and output that they are not available at all if none exist. The scope does not include adding new animals to the shelter, one can only adopt from it.

TIMELINE

Draw a timeline, including milestones to serve as the basis for a work breakdown structure (WBS) and appropriate Gantt or PERT charts. For this class, you can refer to the Work Breakdown Excel Sheet. This

can be a table with anticipated tasks listed for each school day of the project. You will submit completed chart(or Record of Tasks) along with your final deliverables.

We will make a record of tasks and link it here.

TEST PLAN

Describe how you will test your solution. The plan should include testing the whole solution and testing individual components of the solution. Include details such as if you will automate testing or you will manually test with positive and negative test cases.

1. Overall: the user should be able to enter characteristics of the animal they want. The program will display if this animal is available, and if so, how many.
 - a. The user should be able to enter characteristics of the animal they want.
 - b. The program will display if this animal is available, and if so, how many.
 - c. If we extend the code so the user has the option to add one or more of the characteristics, the program displaying if the animal is available should state all of the information about the different options available.
 - d. IntelliJ and Excel are linked effectively so the above runs correctly.
 - e. If we write to Excel, the correct data displays.

RISKS AND CONTINGENCY PLANS

List known and potential risks by estimated probability, with mitigation plans.

We were gone for a lot of IB tests so we are communicating and getting caught up. If we are sick or absent for another reason we will communicate about what to do and still try to get some work done.