

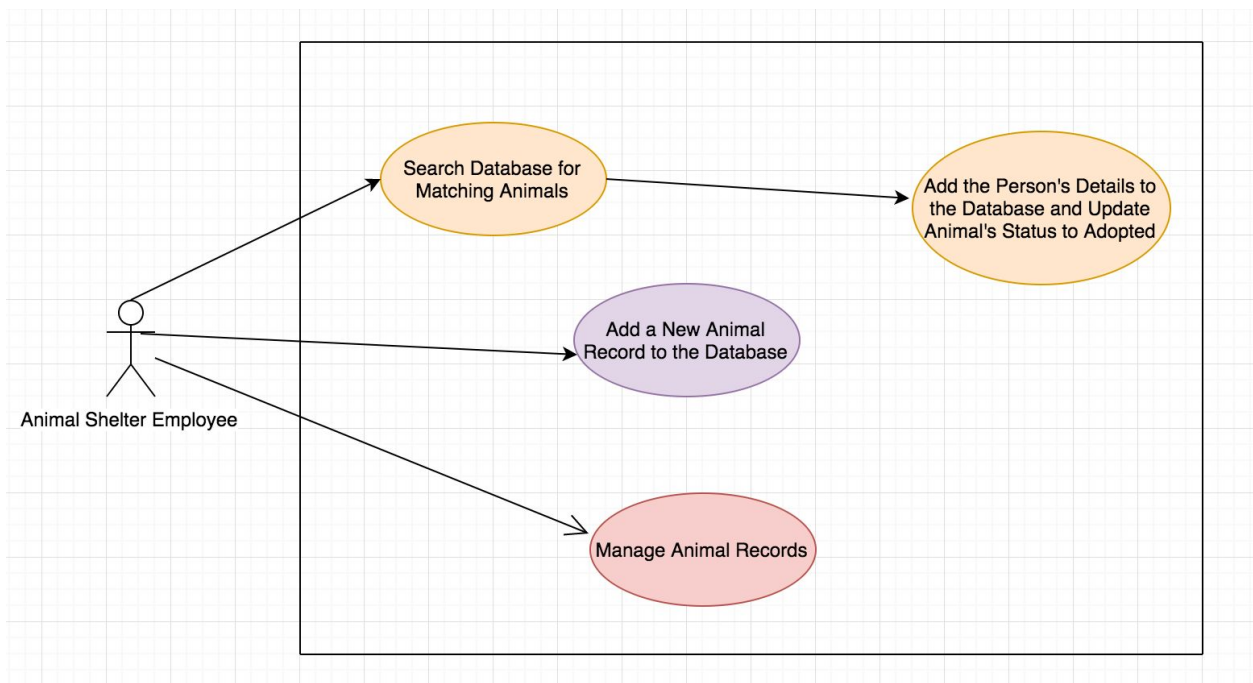
## Evidence for Analysis and Design Unit

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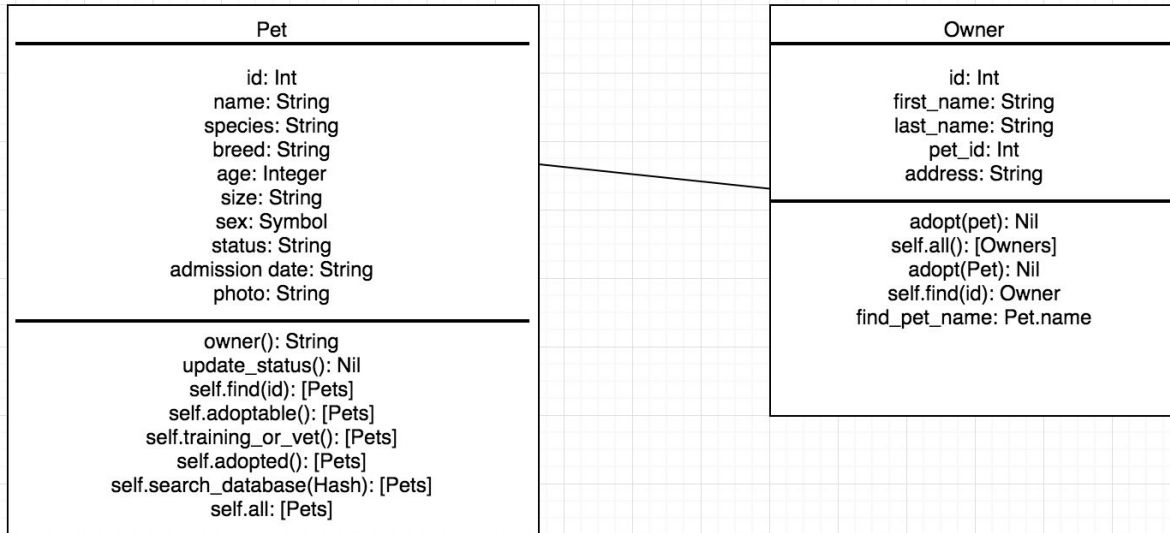
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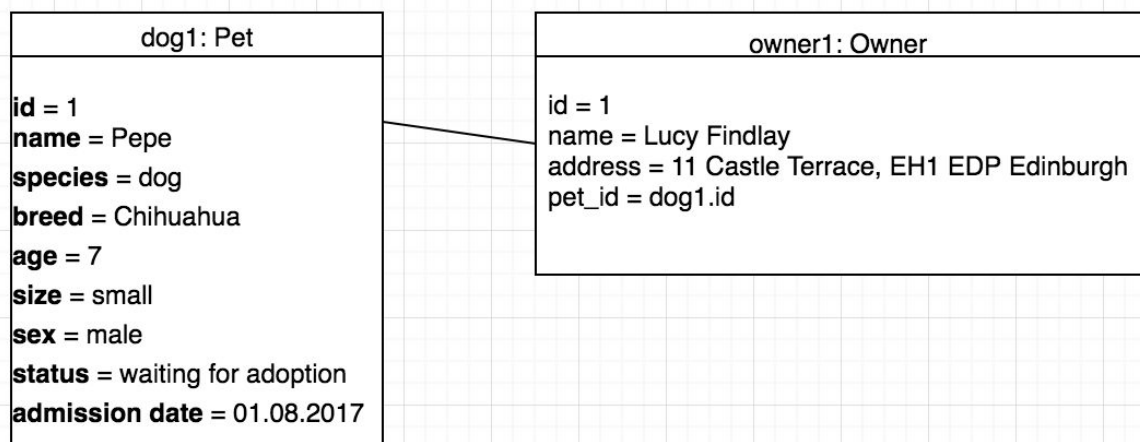
### AD - 1 Use case Diagram



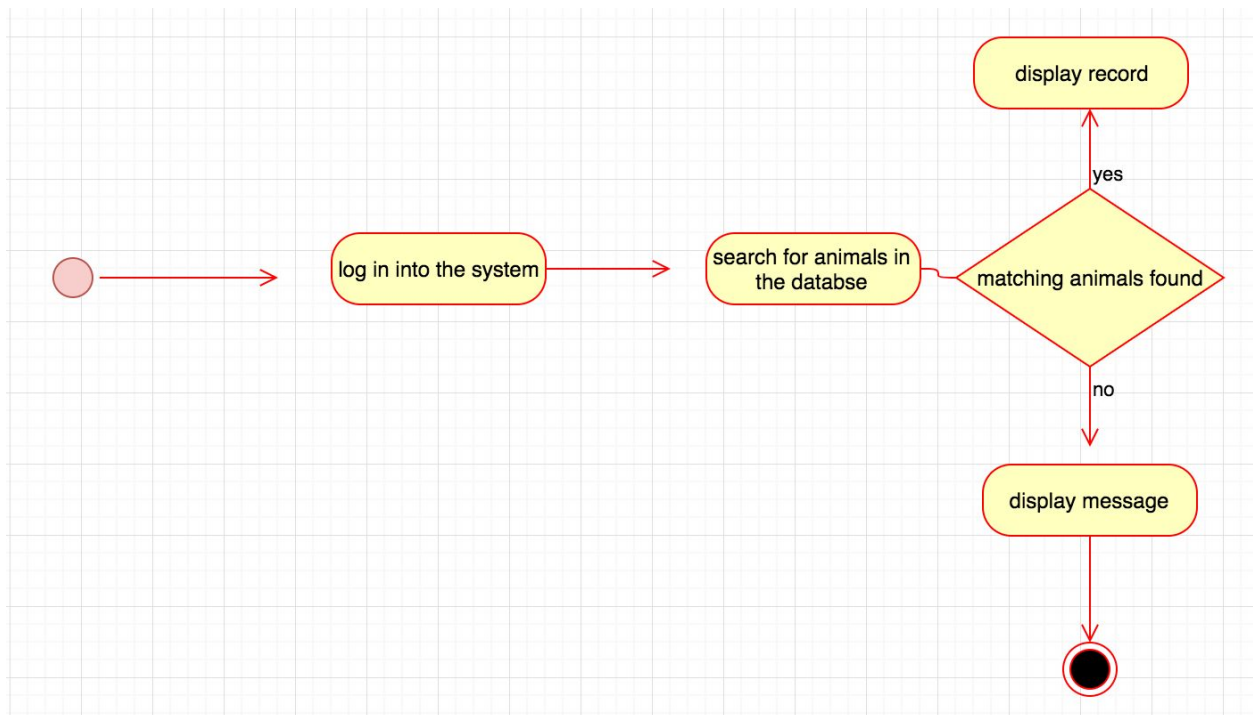
## AD - 2 Create a Class diagram using your Use case diagram.



## AD - 3 Object diagram



#### AD - 4 Activity diagram



## AD - 5 Inheritance diagram



## AD - 6 Implementations Constraints

Constraints	Possible effect of constraint	Solution
Hardware and software platforms	The app will display differently in different browsers which will discourage people from using it.	Make the app cross-browser compliant.
Performance requirements	Performance decreases as the number of items that have to be loaded increases. If the website loads slowly, people will not want to use it.	Use a faster server.
Persistent storage and transactions	Database does not store changes introduced via browser after Sinatra session is terminated. If users are not able to update the database, they will not use the app.	Upload the app to a hosting platform like heroku.
Budgets	There was no budget assigned to this project.	Personal project for a CodeClan course.
Time	I only had a week to work on the project and as a result I did not manage to implement all the features I wanted to which negatively affects the flexibility and usability of the app and thus discourages potential users.	I am going to continue working on the project in order to implement all the features I had originally intended it to have.