

Project Status Report II

Date of Report Issue/Prepared: _____

Report Prepared By: Abdirahman Ali, Faheem Ahmed, Muhammed Yilmaz,
Edward Philip

Employer/Organization: George Brown Coding Team

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|------------------------|-----------------------------------------------------------------|--|
| Project Name: | Stray No More | |
| Project Team: | Abdirahman Ali, Faheem Ahmed, Muhammed Yilmaz, Edward Philip | |
| Period Reporting: | Start Date: Jan 30, 2021 End Date: Feb 12, 2021 | |
| Overall Project Health | Green (Good) - Yellow (Warning) - Red (Bad) | |

Summary

Project Status Summary

The app is currently in prototype stage. We have updated a few design options and worked on creating a more modern look to the application. App standard background, styling, fonts and buttons have been applied to the app and the user activities. To date, the backgrounds have been applied and navigation has been implemented to allow the testing of the prototype and some of the features.

We have started the implementation of the back-end code and functions to begin the process of integrating a database and google maps API.

We have initialized the database with the tables as needed by our app design, but have not yet fully implemented all database functionality. We have completed research on the animal protocols and have inserted our research into the database for users to have information before animal control appends their own data.

As of the submission of this document all accomplishments have been listed below as well as future ones soon to be implemented.

| Accomplishments As Planned | Planned but not Accomplished |
|----------------------------------------|---------------------------------------------------------------|
| Created forms required for application | More Functionality of map view |
| Majority UI design | Integration of Map view into database |
| Database table declaration | Partial Integration of forum/chat interaction |
| Database implementation | Partial data Validation on input forms |
| Posting input data into database | Partial Email Functionality |
| Login/Registration completion | Forgot Account/Password integration |
| GPS implementation | Posting found animal/pet integration as well as into database |
| Partial Functionality of Map View | |
| Profile Creation | |

Upcoming Objectives for Feb 13, 2021 to Mar 19, 2021

| | Planned Activities/Tasks for Next Period | | |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|----------------|
| Activity/Task | Assigned To <name/s> | Duration <days> | Date |
| Apply database functionality | Edward | 3 | Feb 13-16 |
| Edit styling as needed and develop form constraints | Muhammed | 34 | Feb 13- Mar 19 |
| Apply validators to database for data | Edward, Faheem | 2 | Feb 16-18 |
| Develop admin login and database access | Abdirahman | 1 | Feb 17 |
| Input research of animal protocols | Faheem | 1 | Feb 18 |
| Make sure data inputs are integrated with the database | Abdi, Faheem, Edward, Muhammed | 7 | Feb 19 - 26 |
| Implement efficient and easy to use map functions | Faheem,Edward, Muhammed , Abdi | 7 | Feb 27 - Mar 6 |
| Forum based communication between users | Faheem,Edward, Muhammed , Abdi | 6 | Mar 7 - 13 |
| Testing navigation and map capabilities and ensuring application runs smoothly | Muhammed, Abdi, Faheem, Edward | 6 | Mar 13 - 19 |
| Cleaning up and maintaining clear and legible code for future updates and removal of unnecessary functions / code blocks | Faheem, Edward | 6 | Mar 13 - 19 |

| Milestones for Next Period | | |
|----------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------|
| Milestone (Objective) | Assigned To | Delivery Date |
| Develop full database Functionality | Edward | February 16 |
| Appropriate styling on all public displayed pages with corresponding font, buttons, labels, etc... | Muhammed | Date varies throughout application updates |
| Insertion of Animal protocols/ functionality | Edward,Abdirahman | Feb 19 |
| Validation for data inputs | Abdirahman | February 20 |
| Map functionality with database integration | Edward, Faheem | Mar 7 |
| 100% input of user displayed data (Animal shelter contact info, animal handling protocols, etc...) | Faheem, Muhammed | Mar 10 |
| Forum based communication between users | Faheem,Edward, Muhammed , Abdi | Mar 14 |
| Complete Testing | Faheem,Edward, Muhammed , Abdi | Mar 17-19 |

Managing Issues and Risk

| Issues/Problems | Resolution Strategy | Due Date |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------|
| Database functionality | Continuously test database input and output after any changes made to the | Feb 18/2021 |
| Database storage capacity | As the database grows, separate regions into specific tables to ensure faster processing | Feb 20/2021 |
| Viewport configuration | Use a variety of test devices with different resolutions and screen sizes to solve an constraint issues | Feb 28/2021 |
| Map View functionality with database integration | Researching how to store map location into database and properly learning the database functionality | Mar 7/2021 |
| Communication between users using a forum and properly extracting | Researching how to link forum to database and ensuring it connects with the database | Mar 14 |
| Runtime errors | Constantly test the app making sure all features and functions are performing correctly | Every application update |

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|------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------|
| Competition | Ensure all users understand the mission and purpose of the application and provide a unique solution | Application lifetime |
| Lack of supporting languages | Attempt to use translation options to create a variety of language options | Upon app completion |
| Application Performance | Research ways to improve app performance on system hardware to ensure application does not use too many resources | Mar 1/2021 |
| Application size on device | Implement methods to keep download size of the application as minimal as possible | Mar 19/2021 |

| Upcoming Risks | Risk Ranking (Hi, Med, Low) | Risk Impact (Hi, Med, Low) | Mitigation Strategy |
|-------------------------------------------------------------------------|-----------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Security vulnerabilities | High | High | Monitor all possible vulnerabilities during testing phases |
| Database connectivity | Low | High | Using exceptions whenever possible in the back end implementation. |
| Database integration with application and data extraction from database | High | High | Researching and making sure the database is functioning throughout app development |
| Poor code quality | Med | Med | Maintain consistent secure coding practices that do not lead to vulnerable code. |
| Poor data security | High | High | Avoid using hard coded encryption. Can also offer 2 step authentication. Update security protocols based on possible new methods available |
| Lack of community interest | Low | Medium | The application will need to go through |

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|-------------------------|-----|------|---------------------------------------------------------------------------------------------------------------------------|
| | | | many changes as more user will begin using the features and the team must ensure that feedback is provided from the users |
| Operating System Update | Low | High | Monitoring Android operating system requirements |
| Productivity issues | low | low | Set a realistic schedule for each phase of the project with the whole team. |

NOTE: Attach additional sheets if insufficient space available

Submission Guidelines:

Please submit as "T<team number>_ProjectStatusReport2".
For e.g. T36_ProjectStatusReport2

This is a group submission i.e. one per group.

Due Dates:

Sunday, Feb 14, 2021 (11:59 p.m.)