House Price

REPRICE

Test Report

Revision History

Authors	Description of Change	Sections	Rev	Date
Mohammad H., Kunal M., and Don F.	Initial Release	All	0	April 24, 2019

Table of Contents

1 Team Description

Team Member Name	Email Address
Mohammadreza Hajy Heydary	mheydary@csu.fullerton.edu
Kunal Matthews	amos-m2345@csu.fullerton.edu
Don Feng	donfeng97@csu.fullerton.edu

2 Introduction

This document details the outcomes of the tests performed on different modules of the system and whether any unexpected behaviors were detected.

2.1 Identification

Software Revision Tested:	1.0
Revision Release Date:	April 28, 2019

3 Test Results

<put some lead in text here>

3.1 Test Case 1 Results

Description: Test the data retrieved from Zillow's situation.

Bugs Found:

1) Internet connection fail, causing the function stopped (name or service not known)

2) The input value is not valid (city name not exist in dataset)

3.2 Test Case 2 Results

Description: Test the input and output of the User Interface and server communication

Bugs Found:

1) Invalid data: If input data doesn't match valid location a junk value will be returned and will not be accurate.

2) No input: Predictor model will fail, and an error will return in the python console.

3) Server error: server is in infinite wait cycle.

3.3 Test Case 3 Results

Description: Test the behavior of the predictor module on different levels against the $ 3.0 threshold on a random subset of seize 100 with an initial seed of 23.

Bugs Found:

1) None: all the predictors behave correctly on the designated dataset

Potential Hazards:

1) The neighborhood level predictor once fully loaded required more than 32 GB of memory. This could slow down or potentially crash machines without sufficient amount of resources.
2) The input to the model must be consistent. Note than an inconsistent input still goes thorough the chain of models. However, the output is garbage and should be ignored.