

## **Test Summary Report**

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## **1. Purpose:**

This test summary report aims to provide an overview of the testing conducted on the No Kill Shelter Check-in System. This testing is focused on various scenarios such as invalid phone number, check-in without scheduled appointment, early and late check-in attempts, and simultaneous check-ins.

## **2. Application Overview:**

The Check-in System is designed check in a user when they arrive at the No Kill Shelter. The user will text the phone number and our API will check if they have an appointment scheduled today. If they do have an appointment then the user will be checked in within the No Kills Shelters appointment system.

## **3. Testing Scope:**

The testing scope primarily included validating the functionality related to different check-in scenarios outlined in the test cases in RS-7.

## **4. Metrics:**

Metrics were measured based on the number of test cases executed, the number of pass/failed test and the expected system response to the test.

## **5. Types of Testing Performed:**

The testing involved functional testing and integration testing focusing on various

check-in scenarios such as invalid phone number, check-in without appointment, early and late check-in attempts, and simultaneous check-ins.

## **6. Test Environment & Tools:**

The testing was conducted in a Azure environment resembling the production setup. The test were manually ran by texting the number associated with our Twilio account and then checking if the system response was expected. The tools used to conduct the test was a phone and access to the postman to interact with our API.

## **7. Lessons Learnt:**

Through testing, it was learned that we handled the edge cases we thought of since testing was successful. We also learned that manually testing was time expensive and that it would be better to automate these test.

## **8. Recommendations:**

It is recommended to refine the check-in process to handle early and late check-in attempts more gracefully by having our api return whether its a late check in or early check in. This can be achieved by also checking appointments a day later and a day before.

## 9. Best Practices:

We are following best practices such as code reviews, thorough testing of edge cases. We are also planning to add automated test in the future. By following these practices it can significantly enhance the quality and reliability of the application.

## 10. Exit Criteria:

The exit criteria were met as all test cases were executed, and defects identified were either resolved or logged for further investigation.

## 11. Conclusion/Sign Off:

Overall, the testing provided valuable insights into the functionality of the No Kill Shelter Check-in System application. By addressing the identified issues and implementing the recommended improvements, the application can offer a more robust and seamless check-in experience for users.

## 12. Definitions, Acronyms, and Abbreviations:

- **Postman:** Postman is an API platform for building and using APIs.
- **Twilio:** SaaS platform that gives us a phone number to redirect phone messages to our api.

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**Sign Off:**

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