

CSCD350, Holiday Mailer: Software Requirements Specification

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1 Introduction

1.1 Goals and objectives

To build a program that stores addresses of friends and relatives and allows the user to send a 'Holiday Email' to people of her/his choice.

1.2 Use-cases

Use case Add new person to database

Actor user

Basic choose to enter new person, enter first name, enter lastname, enter address, enter if and email was sent, submit to database

Use case Remove new person to database

Actor user

Basic choose to remove, choose who to remove, make sure, remove

Use case Display entries by last name

Actor user

Basic choose to display, choose to display by last name, display

Use case Display entries by first name

Actor user

Basic choose to display, choose to display by first name, display

Use case Display entries with last name with certain letter

Actor user

Basic choose to display, choose to display by certain letters, display

Use case send email to everyone

Actor user

Basic choose to send email to everyone, pick holiday email to send, send

Use case send email to everyone who has sent one

Actor user

Basic choose to send email to everyone who has sent you one, pick holiday email to send, send

Use case send email to specific people

Actor user

Basic choose to send email to specific people, pick people, pick holiday email to send, send

2 Data Model and Description

For this project, we will be using SQLite technology for our data object interactions.

2.1 Data Description

2.1.1 Data objects

Name: contacts

Description: A table that stores all of the user's contacts and their information

Fields:

- email (varchar(50)): The contact's email address
- firstName (varchar(50)): The contact's first name
- lastName (varchar(50)): The contact's surname
- lastReceivedDate (date): The date that the contact last sent a holiday letter to the user

2.1.2 Complete data model

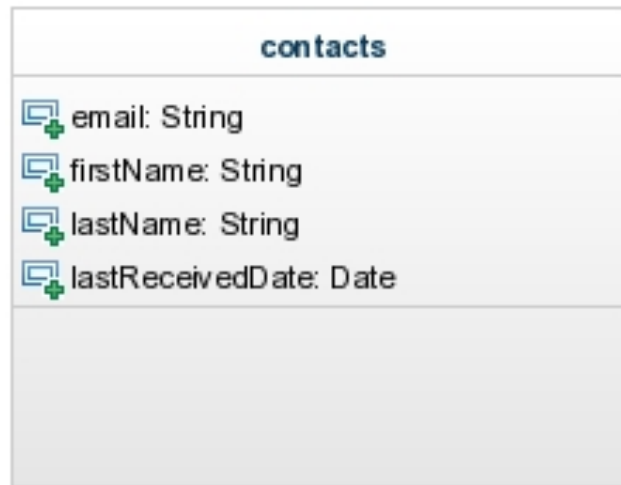


Figure 1: Entity-Relation Diagram for our Data Model

3 Validation Criteria

3.1 Classes of tests

We will be running JUnit tests against each iteration of our code to make sure that our program stays consistent.

JUnit will be testing all CRUD (Create Update Delete) methods, database interaction, data validation, etc methods.