

# **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 Statement of scope

## 1.3 Software context

## 1.4 Major constraints

# 2 Usage scenario

## 2.1 User profiles

## 2.2 Use-cases

## 2.3 Special usage considerations

# 3 Data Model and Description

## 3.1 Data Description

### 3.1.1 Data objects

### 3.1.2 Relationships

### 3.1.3 Complete data model

### 3.1.4 Data dictionary

# 4 Functional Model and Description

## 4.1 Description for Function n

### 4.1.1 Processing narrative (PSPEC) for function n

### 4.1.2 Function n flow diagram

### 4.1.3 Function n interface description

### 4.1.4 Function n transforms

### 4.1.5 Performance Issues

### 4.1.6 Design Constraints

## 4.2 Software Interface Description

### 4.2.1 External machine interfaces

### 4.2.2 External system interfaces

### 4.2.3 Human interface

## 4.3 Control flow description

# 5 Behavioral Model and Description

## 5.1 Description for software behavior

### 5.1.1 Events

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### 5.1.2 States

## 5.2 State Transition Diagrams

## 5.3 Control specification (CSPEC)

# 6 Restrictions, Limitations, and Constraints

# 7 Validation Criteria

## 7.1 Classes of tests