**Software Requirements Document for FamBook**

**Part 3: GUI Requirements**

**Prepared for C-S 341: Software Engineering**

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1. About this document

This document describes the GUI requirements for the software for a family album system. The product overview and assumptions for the product are given in [1] and the functional requirements are given in [2].

**2. Graphical User Interface Requirements**

This section describes the GUI functions that are required to be implemented. There may be several windows at any one time. A sketch of some of the windows is given below.

**2.1 Sample Screens**

Screen name/id**: Start up Page**

Screen name/id**: Next step page**

Screen name/id: add page

Screen name/id: search page

Screen name/id: member list page

Screen name/id: view page

More…

**2.2 GUI functional Requirement format**

The GUI functional requirements use the following format:

*Index:*

*Name:*

*Purpose:*

*Icon Type:*

*Screen index/identification:*

*Action:*

*Remarks:*

*Cross-references*:

*Index, Name, Purpose, Action*, *Remarks* and *Cross References* serve the same purpose as before.

The *Icon Type* indicates what kind of icon, if any, is used to represent the GUI function. *Screen index/identification* refers to the particular screen listed before.

**2.3. Functions on the “Start up page” Screen**

Index: GUI.FB.1

Name: OpenAlbum

Purpose: To open an Album that with the specific name that the user entered, when the user enter the specific name and click the “go” button.

Icon Type: button, a set of Text Field

Screen index/identification: Start up page, next step page

Action: when the user enters the Album name they want to open and press the button “go”. The system reads the family album and displays the “next step page” screen.

It invokes the “SelectFamilyAlbum” function in the family album section.

Close the “start up page”

Remarks: If there is no any family album that match the name that the user type in, an error message will be given under the test field.

Cross-references:

**2.3. Functions on the “next step page” Screen**

Index: GUI.NS.1

Name: AddMember

Purpose: To add a family member into the family album the user open.

Icon Type: button

Screen index/identification: next step page, add page

Action: Read the “add” page and display the “add page” screen, when the user click on the “AddMember” button on the “next step” screen.

The “next step” screen will be closed after the “add page” screen displays.

Remarks: None

Cross-references:

Index: GUI.NS.2

Name: ViewMember

Purpose: To view a family member from the family album the user open.

Icon Type: button

Screen index/identification: next step page, search page

Action: Read the “search” page and display the “search page” screen, when the user clicks on the “ViewMember” button on the “next step” screen.

The “next step” screen will be closed after the “search” screen displays.

Remarks: The user needs to provide the information about the member that he/she needs in the search screen. Click the name on the member list screen and then the system will then display the information of the specific member on the view screen.

Cross-references:

Index: GUI.NS.3

Name: GoToMainMenu

Purpose: Go back to “start up page” screen

Icon Type: button

Screen index/identification: next step page, start up page

Action: Read the “start up” page and display the “start up page” screen, when the user clicks on the “Go to main menu” button on the “next step” screen.

The “next step” screen will be closed after the “start up page” screen displays.

Remarks: None

Cross-references:

**2.4. Functions on the “add page” Screen**

Index: GUI.AM.1

Name: SaveData

Purpose: To add a family member into the family album the user open.

Icon Type: button, set of text fields

Screen index/identification: add page

Action: The user must enter first name, last name, birth day and description, in the fields labeled “First Name”, “Last Name”, “Birth Day” and “Description” respectively.

The user may enter the death day in to the field labeled “Death Day” if the family member has died, it’s optional.

The user must enter the birth Day and the death day (if the member has died) in the date format of MM/DD/YYYY

When the user press the button “save”, invoke the “AddProfile” function in the Family Member section, and direct the input requests to the text fields labeled “First Name”, “Last Name”, “Birth Day”, “Death Day” and “Description” on the “add” screen.

Remarks: The designer may choose to include a pop-up window to indicate the result of

this function (confirmation or error message).

Cross-references:

Index: GUI.AM.2

Name: GoToMainMenu

Purpose: Go back to “start up page” screen

Icon Type: button

Screen index/identification: add page, start up page

Action: Read the “start up” page and display the “start up page” screen, when the user clicks on the “Go to main menu” button on the “add” screen.

The “add” screen will be closed after the “start up page” screen displays.

Remarks: The system will not record anything after the user press “Go to main menu” button. All data that is entered into the text fields on “add” screen will lose.

The designer may choose to include a pop-up window to warn people that the operation will lose the data they enter.

Cross-references:

Index: GUI.AM.3

Name: GoBack

Purpose: Go back to “next step page” screen

Icon Type: button

Screen index/identification: add page, next step page

Action: Read the “next step” page and display the “next step page” screen, when the user clicks on the “Back” button on the “add” screen.

The “add” screen will be closed after the “next step page” screen displays.

Remarks: The system will not record anything after the user press “Back” button. All data that is entered into the text fields on “add” screen will lose.

The designer may choose to include a pop-up window to warn people that the operation will lose the data they enter.

Cross-references:

**2.5. Functions on the “search page” Screen**

Index: GUI.SP.1

Name: SearchMember

Purpose: To search a specific family member from the family album that the user opened.

Icon Type: button, set of Text Fields, text area

Screen index/identification: search page, member list page

Action: The user may enter first name, last name and birth day in the fields labeled “First Name”, “Last Name” and “Birth Day” respectively. All fields are optional.

The user must enter the birth Day into the field labeled “Birth Day” with the date format of MM/DD/YYYY

When the user press the button “Search”, invoke the “SearchProfiles” function in the Family Member section, and direct the input requests to the text fields labeled “First Name”, “Last Name” and “Birth Day” on the “search” screen.

Read the “member list” page and display the “member list page” screen. The result of this function will be displayed in “First name Last name Birth day” format on the screen.

The “search” screen will be closed after the “Member List” screen displays.

Remarks: If the user leave all fields blank and click the “Search” button, the result of this function will be all the members in the family album that the user opened.

The designer may choose to include a pop-up window to indicate the result of

this function (confirmation or error message).

Cross-references:

Index: GUI.SP.2

Name: GoBack

Purpose: Go back to “next step page” screen

Icon Type: button

Screen index/identification: search page, next step page

Action: Read the “next step” page and display the “next step page” screen, when the user clicks on the “Back” button on the “add” screen.

The “search” screen will be closed after the “next step page” screen displays.

Remarks: The system will not record anything after the user press “Back” button. All data that is entered into the text fields on “search” screen will lose.

The designer may choose to include a pop-up window to warn people that the operation will lose the data they enter.

Cross-references:

**2.6. Functions on the “Member List page” Screen**

Index: GUI.ML.1

Name: GetMember

Purpose: To view a specific family member’s information from the searching results.

Icon Type: button, a set of text field, text area

Screen index/identification: member list page, view page

Action: The user must enter the index number, which is the index number of the specific member that displays in the “Member List” screen that the user need, into the text field that labeled “View this people”.

When the user press the button “View”, invoke the “SearchProfiles” function in the Family Member section, and direct the input requests to the text boxes of the people’s (who with the specific index number that is displayed in the member list screen) first name, last name and birthday

Read the “view” page and display the “view page” screen

The result of searching must be only one. The personal information of the result (first name, last name, birth day, death day, description, parents and children) will be displayed on the “view page” screen.

Remarks: The designer may choose to include another separate pop-up window to display error messages for this function.

Invoking “SearchProfiles” function again will cause another “view page” screen to open and hence it is the user’s responsibility to close these windows.

Cross-references:

Index: GUI.ML.2

Name: GoBack

Purpose: Go back to “search page” screen, so that the user can start a new search or go back to “next step page” screen.

Icon Type: button

Screen index/identification: member list page, search step page

Action: Read the “search” page and display the “search page” screen, when the user clicks on the “Back” button on the “member list page” screen.

The “member list page” screen will be closed after the “search page” screen displays.

Remarks: None

Cross-references:

**2.6. Functions on the “View page” Screen**

Index: GUI.VP.1

Name: ListPhoto

Purpose: To display a list of photos of this people.

Icon Type: button

Screen index/identification: view page, photo entries

Action:

This will invoke the “ViewPhotoList” function in the profile additions section, and direct the input requests to the text boxes of the people’s first name, last name and birthday

As a result of this search, the “photo entries” screen will pop up and the photo list will be displayed on the text area in the “photo entries” screen.

In order to close the “photo entries” window, the user must press the “Close” button on this window.

Remarks: The designer may choose to include another separate pop-up window to

display error messages for this function.

Invoking “ViewPhotoList” function again will cause another “photo entries” screen to open and hence it is the user’s responsibility to close these windows.

Cross references:

Index: GUI.VP.2

Name: ListDocuments

Purpose: To display a list of documents of this people.

Icon Type: button

Screen index/identification: view page, document entries

Action:

This will invoke the “ViewTexDocList” function in the profile additions section, and direct the input requests to the text boxes of the people’s first name, last name and birthday

As a result of this search, the “document entries” screen will pop up and the document list will be displayed on the text area in the “document entries” screen.

In order to close the “document entries” window, the user must press the “Close” button on this window.

Remarks: The designer may choose to include another separate pop-up window to

display error messages for this function.

Invoking “ViewTexDocList” function again will cause another “document entries” screen to open and hence it is the user’s responsibility to close these windows.

Cross references:

Index: GUI.VP.3

Name: ListGraphic

Purpose: To display a list of graphics of this people.

Icon Type: button

Screen index/identification: view page, graphics entries

Action:

This will invoke the “ViewTexDocList” function in the profile additions section, and direct the input requests to the text boxes of the people’s first name, last name and birthday

As a result of this search, the “graphics entries” screen will pop up and the graphic list will be displayed on the text area in the “graphics entries” screen.

In order to close the “graphics entries” window, the user must press the “Close” button on this window.

Remarks: The designer may choose to include another separate pop-up window to

display error messages for this function.

Invoking “ViewGraphicList” function again will cause another “graphics entries” screen to open and hence it is the user’s responsibility to close these windows.

Cross references:

Index: GUI.VP.4

Name: ModifyEntry

Purpose: To modify the information of this people

Icon Type: Button, set of Text Fields

Screen index/identification: view page

Action:

The user must enter first name, last name, birth day and description, in the fields labeled “First Name”, “Last Name”, “Birth Day” and “Description” respectively.

The user may enter the death day, parents’ names, or children’s name in to the field labeled “Death Day”, if the family member has died, “Parents” or “Children”. They are optional.

The user then must press the button “Edit” to invoke the “ModifyProfile” function in the family member section; System will record the old first name, old last name, old birthday and old description and the new first name, new last name, new birthday and new description and will direct the input requests to the appropriate text fields.

Remarks:

The designer may choose to include a pop-up window to indicate the result of

this function (confirmation or error message).

Cross references:

Index: GUI. VP.5

Name: DeleteMember

Purpose: To delete the people from the family album that the user opened.

Icon Type: Button

Screen index/identification: view page

Action:

This will invoke the “DeleteProfile” function in the family member section, and direct the input requests to the text boxes of the people’s first name, last name and birthday

Remarks:

The designer may choose to include a pop-up window to indicate the result of

this function (confirmation or error message).

The designer may choose to include a pop-up window to warn the user that the data of this people will lose.

Cross references:

Index: GUI.VP.6

Name: GoBack

Purpose: Go back to “search page” screen, so that the user can start a new search or go back to “next step page” screen.

Icon Type: button

Screen index/identification: view page, search step page

Action: Read the “search” page and display the “search page” screen, when the user clicks on the “Start a new search” button on the “view page” screen.

Remarks: The “view page” screen will not close automatically. It is the user’s responsibility to close these windows.

Cross-references:

Index: GUI. VP.7

Name: GoToMainMenu

Purpose: Go back to “start up page” screen

Icon Type: button

Screen index/identification: view page, start up page

Action: Read the “start up” page and display the “start up page” screen, when the user clicks on the “Go to main menu” button on the “view page” screen.

The “view page” screen will be closed after the “start up page” screen displays.

Remarks: None

Cross-references: