

Group 10
Online Invitation Preparation
Software Design Document

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TABLE OF CONTENTS

1. INTRODUCTION	2
1.1 Purpose	2
1.2 Scope	2
1.3 Overview	2
2. SYSTEM OVERVIEW	3
3. SYSTEM ARCHITECTURE	3
3.1 Architectural Design	3
3.2 Decomposition Description	4
4. DATA DESIGN	4
4.1 Data Description	4
4.2 Data Dictionary	5
5. COMPONENT DESIGN	6
6. HUMAN INTERFACE DESIGN	7
6.1 Overview of User Interface	7
6.2 Screen Images	8
6.3 Screen Objects and Actions	10
7. REQUIREMENTS MATRIX	11

1. INTRODUCTION

1.1 Purpose

This software design document describes the architecture and system design of a Online invitation preparation system. This Software is intended to be used by anyone that wants to create an invitation for any kind of occasion one might have. This document also serves as a reference upon which the final software system will be designed and built.

1.2 Scope

Online invitation preparation system will allow users to design and prepare their own invitation with the help of the system. Users can change font style, colour, template and can prepare their own custom invitation

Modules for User:

- Sign up
- Login
- Choose occasion
- Choose template
- Change Format and style
- Download and Share
- Log out

Modules for Super Admin:

- Login
- Choose occasion
- Choose template
- Change Format and style
- Download

1.3 Overview

An overview of the remaining sections is listed below

Section 2 - provides a general description of the functionality, context and design of our project. It also provides any background information associated with our project.

Section 3 - we have the detailed architectural design of the project that includes the activity diagram.

Section 4 – Data design explains how information is transformed to data structures and alphabetically lists system entities along with their types and descriptions.

Section 5 - gives us a closer look at what each component does in a more systematic way.

Section 6 – Describe system functionality from the perspective of the user

Section 7 - provides a cross-reference that traces components and data structures to the requirements in our SRS document.

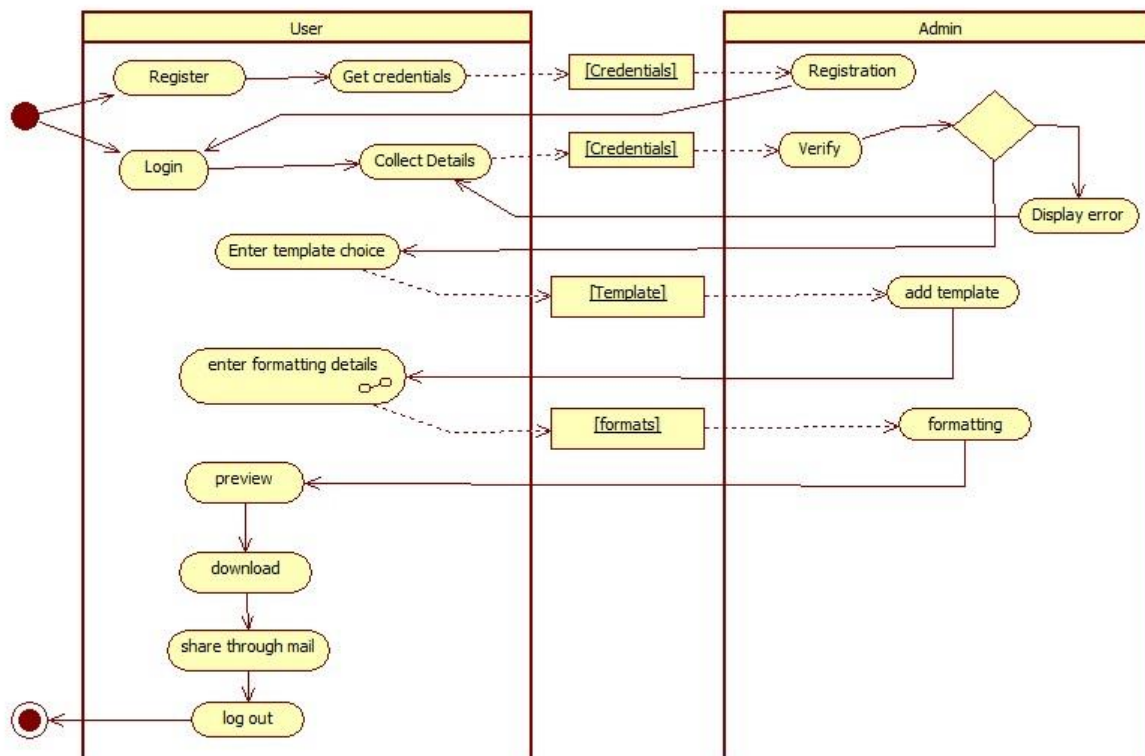
2. SYSTEM OVERVIEW

This system is platform in which an user can create his own account and login to create custom invitation with various styles, templates and occasion to choose from. This program runs on a web server hence require a network connection to use the software. The program further includes modules for sharing the invitation through e-mail and for downloading the invitation. The key necessary input from the user would be user credentials that include time, date and venue of the occasion. The super admin actor is the computer which helps the user customize his/her invitation.

3. SYSTEM ARCHITECTURE

3.1 Architectural Design

The user first has to register with the website system. After providing valid credentials the user can login. After successful login the user can choose a template to work with. Then the formatting details are entered. The formatting is saved from the admin side and a preview is provided to the user. The user can download and share the template through mail if he/she wishes.



3.2 Decomposition Description

- **Registration:**

This function enables the user to register with the application. It allows the user to fill in the required details. If the details authenticate then the system permits to create account. If the user is already registered. The user can directly login.

- **Log in:**

This function enables the users to log in the application. It allows the user to fill in the required details. Then it checks the given details if the given details match then permit the user to the dashboard. If the details provide by the user doesn't match then the system request the user to enter the correct details.

- **Choice of template:**

This function allows the user to choose a template design the user wishes to use.

- **Format:**

This function allows the user to edit and save the template the user chose in the previous step.

- **Preview:**

This function in the application provides/displays a preview of the template the user edited.

- **Download:**

This function allows the user to download the template/final invitation in pdf format for later use.

- **Share:**

This function allows the user to share the pdf version of the invitation through mail

4. DATA DESIGN

4.1 Data Description

The data we got from the user has been listed below. Based on the input provided by the user, each scenario may differ accordingly.

4.2 Data Dictionary

Signup:

Data	type	Description
s_username	Char [50]	Unique key to identify each user
s_mail	Char [50]	Address of user
s_password	Char [10]	Key to enter the site

Login ()

Data	type	Description
l_username	Char [50]	Unique key to identify each user
L_mail	Char [50]	Address of user
L_password	Char [10]	Key to enter the site

Enter Option for Occasion()

data	type	Description
Date	Char [20]	Occurring date
Occasion address	Char [200]	Address of the venue
People_name	Char[200]	People for whom the event is occurring
phone_no	Int [15]	Contact number of users

5. COMPONENT DESIGN

In this section, we take a closer look at what each component does in a more systematic way.

- i. Sign_up()
 Credentials = Get_Credential ()
 Assign_password()
 Recheck_password()
 Register_user()
 Goto_Login()
- ii. Login()
 Credentials = Get Credentials
 If (check_Credential (Credentials) == 1)
 Enter_opt_for_occasion()
 Else
 Display “Invalid credential “
 Go_back()

- iii. Enter_opt_for_occasion()
 Get_details_of_occasion()
- iv. Template_choice()
 Provide_template_as_choice()
- v. Format()
 Provide_choice_for_aligning_text()
 IF(User wants to add quotes)
 Get_quotes()
- vi. Changing_style()
 Change_text_style()
- vii. Invitation_download()
 Choose_location()
 Download()
- viii. Share_through_mail()
 Open_mail()
 Share()
- ix. Log_out()
 Redirect_to_welcome_page()

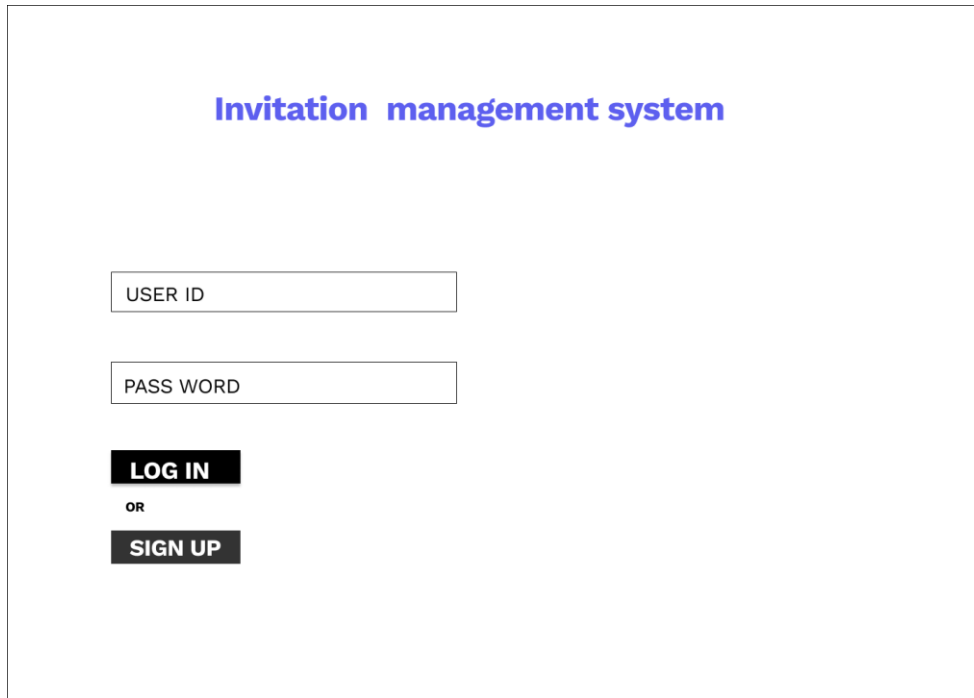
6. HUMAN INTERFACE DESIGN

6.1 Overview of User Interface

Initially user open the software .in the first screen the software asks the user to log in or sign up .after the user log in with the id and password it moves to the next screen the user is asked to provide his credentials to make the invitation more suitable to the user preference.after that in the next screen user is asked to select the template for the invitation .in the next screen user is asked to chose than font style,size ,colour,word alignment ,addition of quotes.In the next screen user is provided with the preview for the invitation created .if the user likes the final invitation he can download or share the invitation.

6.2 Screen Images

Screen-1



Invitation management system

USER ID

PASS WORD

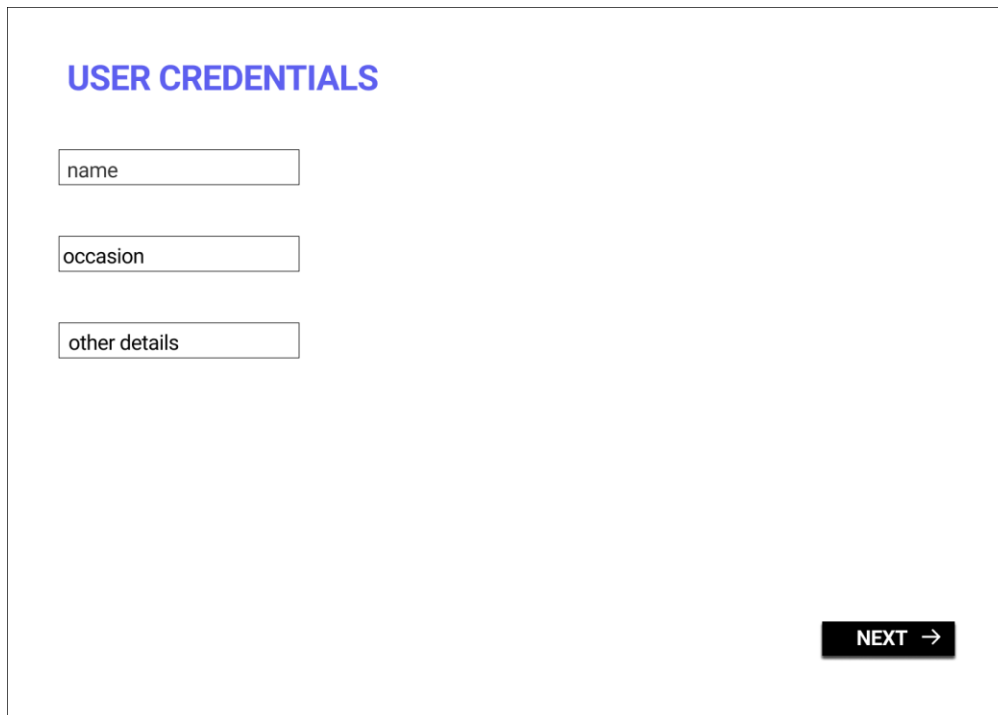
LOG IN

OR

SIGN UP

This screen displays the login interface for the 'Invitation management system'. It features a title in blue text, followed by two input fields for 'USER ID' and 'PASS WORD'. Below these fields are two buttons: a black 'LOG IN' button and a black 'SIGN UP' button, separated by the text 'OR'.

Screen – 2:



USER CREDENTIALS

name

occasion

other details




NEXT →

This screen is for user registration, titled 'USER CREDENTIALS' in blue. It contains three input fields labeled 'name', 'occasion', and 'other details'. A black button labeled 'NEXT →' is positioned at the bottom right of the form.

Screen – 3:

TEMPLATE

select template



upload photo

[< PRE](#) [NEXT >](#)

Screen – 4:

FORMAT

font style

font size

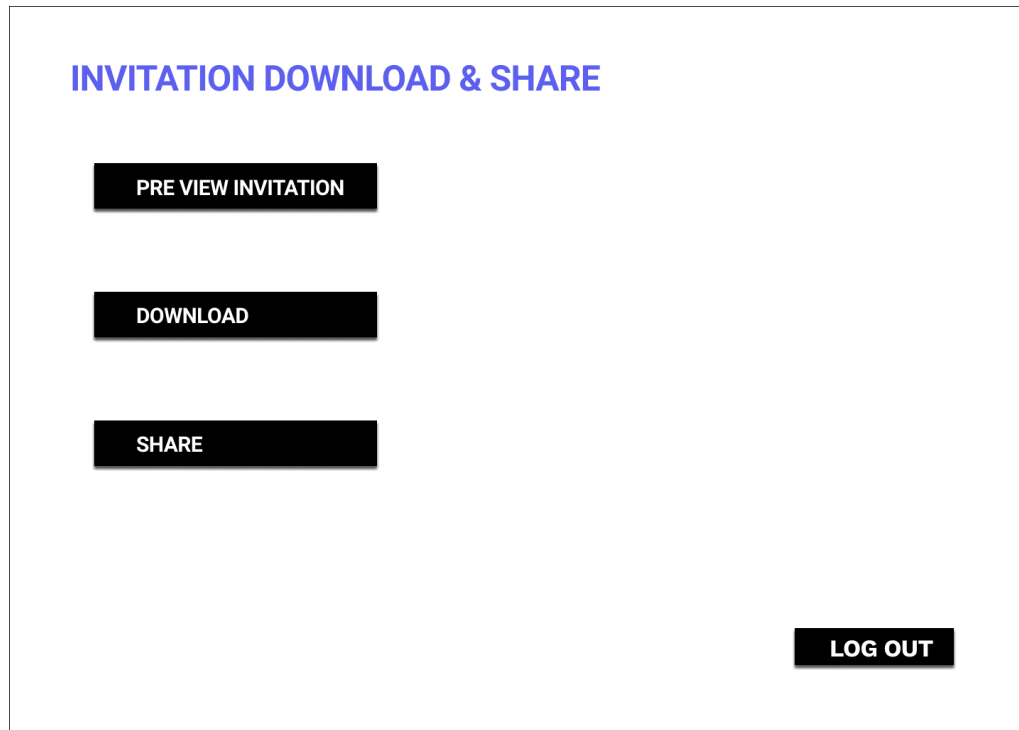
font color

words placing

adding quotes

[< PRE](#) [FINISH](#)

Screen - 5:



6.3 Screen Objects and Actions

- **Screen 1:** In this screen the user is asked to log in using the password and Id which should be typed in respective text box's a provided or sign up. If login is success, it moves to the screen 2.
- **Screen 2:** In this screen the user is asked to provide the name, occasion and other detail in the respective text box. After providing the details the user should click next button and move to screen 3.
- **Screen 3:** In this screen user is asked to choose one template among the available or user is allowed to set a picture as a template by uploading. To move to the next screen user should click next button or to previous screen click pre button.
- **Screen 4:** In this screen user is asked to select the font style, size, colour, word alignment and adding quotes. To move to the previous screen click pre-button or to complete the invitation click finish button.

- **Screen 5:** In this screen user can preview the invitation and allowed to download or share the final invitation. To get out of the software user should click log out button.

7. REQUIREMENTS MATRIX

BR#	Module Name	Applicable roles	Description
B1	Sign_up()	User	If the user is new to the site, they have to sign up and set their details. After this, they'll be redirected to login page.
B2	Login()	User	Existing users can login with their correct details being entered.
B3	Enter_opt_for_occasion()	Admin & User	Admin – Provides option for occasions User – Chooses one of the options.
B4	Template_choice()	Admin & User	Admin - Provides option according to the occasion selected. User – Chooses one of the templates.
B5	Format()	User	Can change the placing of lines and adding quotes.
B6	Changing_style()	Admin & User	User – Chooses the font style, size, color, placing. Admin – Changes it according to the user's choices
B7	Invitation_download()	Admin & User	User – Chooses file location and downloads. Admin – Provides access
B8	Share_through_mail()	User	Can open mail and share.
B9	Log_out()	User	Lets the user log out.