

BUSINESS CARD MANAGER

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ABSTRACT

Business cards are an effective networking tool for professionals and also serve as a promotional tool for a business or company division. A business card is a simple but effective way to demonstrate the professionalism. When you show electronic business cards, the horizon is widened by the amount of additional media that you can include in your card. The main disadvantage of paper business card is that maintaining hundreds of physical cards and searching for a particular card in the group becomes tough and if you just change your mobile number, you move or change your job position, and your paper business card is obsolete. Hence having an e-business card helps us to easily identify a card and also update our details on card easily. Business Card Manager helps the user to isolate their private contacts from business contacts in a web server. It is a modern and efficient way to share our contact data. The contact data will always be current. The cards can be searched using name, company, location and designation. Those cards can easily create with the selection of templates and personal data. These data are updated in the web server.

Keywords: Paper Business Card, E-Business Card, Web Server

I. INTRODUCTION

The main aim of Business Card Manager is to reduce the manual effort of maintaining the paper cards. This makes sharing of business contact information easier and quicker. This also makes designing of cards simpler and reduces the time and effort of printing paper cards. This app also helps in searching of cards using the name, company name, designation and location. This app also helps you store Business cards in remote database. It also helps you share business cards through social media, mail, Bluetooth, etc.

II. PROBLEM STATEMENT

Today there are many applications that are used to manage and share e-business cards. But, in those apps the searching feature is not efficient. The cards cannot be searched using the name of the person, name of the organization, their designation and location. In order to overcome this disadvantage and to make the searching of cards easier and quicker, we go for the "Business Card Manager". When the phone is misplaced or lost the Business cards are also lost so Business cards are stored in remote database.

III. SYSTEM ANALYSIS

Application development can be generally being thought of having two major components: analysis and design. In Analysis more emphasis is given to understanding the details of an existing system or a proposed one and then deciding whether the proposed system is desirable or not and whether the existing system needs improvement. Thus, analysis is the process of investigating a system, identifying problems, and using the information to recommended improvements to the system.

IV. EXISTING SYSTEM

There are many apps that are available for managing e business cards. This saves a lot of time, effort and money of the users. Using this, the users can design their own e business cards and share their digital cards to others through Bluetooth. The existing system accepts the details of the user and creates the e card and the user can search for a card using any one of the field like name, company name, designation or location. But in this app the user cannot send the card as image and data are lost when the app is uninstalled.

a. Drawbacks of existing system

- Card can be shared via Bluetooth only.
- The Database of the app is easily lost and cannot recover the data.
- Stored in data format.

V. PROPOSED SYSTEM

The main advantage of the proposed system is that cards can be shared via many social apps and data are stored in Remote Database.

5.1 Advantages of Proposed System

- E - Business cards can be easily designed using the available templates.
- Cards can be shared easily through Bluetooth, Social media, Shareit, etc.
- Cards can be searched using the person's name, designation, Organization name and location.
- Cards are stored as records in Remote database and as images.

VI. MODULE DESCRIPTION

A. LOGIN

Login page allows the existing users to login and retrieve the lost data. Only the registered user can

login. The login page asks the user for username/login ID and password. The credentials are validated on the server and allow the user to login and if the credentials are wrong then the user cannot login

B. REGISTER

The Register page allows the new users to create new user ID. The user information's are stored in the register Remote database. It contains all the information about the user. It stores the user information and uses it in the validation of the login page.

C. MANAGE CARDS

In Manage cards module, there are three phases.

- Design card
- My cards
- Receive cards

Design Card phase:

User can add new cards by clicking on the design card button. When the user clicks on the design card button available templates will be shown. User can select any one of the templates and click ok. After clicking on the ok button user will have to fill the contact information such as name, designation, company, phone, email, website and address. After keying in the details click on the save button to save the contact information. If the user keyed in invalid data in any of the fields a warning message will be displayed.

My Card Phase:

By clicking on the mycard button user can view all the cards that he/she added. User can key in the name or address in the filter text field to filter the card based on the given name or address. In order to send/share user have to press the capture button then the user can send the image via social media app.

Receive Card Phase:

By clicking on the receive card button user can view all the cards he/she received. User can key in the name or address in the filter text field to filter the card based on the given name or address.

D. SHARE

By clicking on the share button Bluetooth will be enabled in the user's device and the devices in which Bluetooth enabled will be displayed. After selecting any of the device users have to long press on the any of the card. In order to send/share user have to long press the card to be sent. when long pressing on the card a button namely "send" will pop-up, clicking on which card will be sent/share via Bluetooth.

E. SEARCH

Search by name

User can search for card based on name. In order to search for cards based on name user will have to select name from the dropdown. after choosing name if the user keys in any string, the names matches to string or the names start with the string are displayed. User can select any items of the list. When the user select item from the list all the cards matching the selected item will be displayed based on name.

Search by company

User can search for card based on company. In order to search for cards based on company user will have to select company from the dropdown. after choosing company name if the user keys in any string, the company names matches to string or the names start with the string are displayed. User can select any items of the list. When the user select item from the list all the cards matching the selected item will be displayed based on company name.

Search by designation

User can search for card based on designation. In order to search for cards based on designation user will have to select designation from the dropdown. After choosing designation if the user keys in any string, the designation matches to string or the names start with the string are displayed.

User can select any items of the list.

When the user select item from the list all the cards matching the selected item will be displayed based on designation.

Search by location

User can search for card based on location. In order to search for cards based on location user will have to select location from the dropdown. After choosing location if the user keys in any string, the location matches to string or the location start with the string are displayed. User can select any items of the list. When the user select item from the list all the cards matching the selected item will be displayed based on location. Including lists of critical bugs and minute-by-minute chronologies of bug reports and code changes.

VII. MANAGE CARD MODULE TESTING

Testing of Design phase

In this phase, the user needs to select the template and then enter the details of their card in the text field of the form. And then click save.

The testing is done by giving all possible values to the text and if any validation of the entered details is wrong and a message is toasted displaying the

details of the error. If all the details entered by the user is in required format then on clicking save, the card is entered in the database and then mycard activity is displayed with the updated new card.

Testing of view card phase

This phase consist of view card and my card activities. Once my card activity is clicked all our designed cards are shown in list view. On clicking any one of the list items the card is shown in picture view. The testing is done by clicking delete button on the navigation bar, once the card is deleted; updated MyCard activity is invoked without the card that is deleted recently.

A. SHARE MODULE TESTING

In the share module the user can send their card. The testing is done by clicking send button on the MyCard activity and before the share activity is invoked, Bluetooth availability is checked. If it is available the share activity is invoked else a prompt is invoked to the user to enable Bluetooth if the user enables the Bluetooth.

On the client side, the BluetoothReceive activity is made to invoke, at this step also Bluetooth validation is done. In case if Bluetooth is available the BluetoothReceive activity is invoked else Bluetooth not available message is toasted.

And also if the server doesn't find the BluetoothReceive Activity invoked on the client side then an error message is toasted on the server side.

B. SEARCH MODULE TESTING

In this module, the user can search their card by designation, name, organization and location. The testing is done by selecting any option in dropdown box and entering any value in textbox to see appropriate cards only are displayed on the list.

VIII. CONCLUSION

Business Card Manager allows the users to develop and share their Business Cards and also helps the user to isolate their private contacts from business contacts. Sharing of Card is made easy by one touch. It also allows the users to search cards by any field type like name, organization, designation, location, etc...and stores the cards in the Remote database.

IX. FUTURE ENHANCEMENT

More templates shall be added and also users shall create their own templates in future updates. Custom Design by adding, pictures, texture, colour, etc. Scanning QR-Code on the Business card to get the card details. Updating the created business cards.

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