



UNIVERSITY
of
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COMP 1661

**Application Development for Mobile
Devices
MyStorage**

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**BSc (Hons) Computing
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Introduction

This is a mobile application which used to find storage spaces. This app is called “MyStorage”. Users can upload storage details and can edit, delete details.

There are few activities user can do with the system.

- i. Insert basic details about the storage space
 - a. Storage type (e.g. home, business, etc.) – required field
 - b. Dimensions in square meters (e.g. 2m², 4m², etc.) - required field
 - c. Date and time of adding the storage (when the storage have been added) – required field
 - d. Storage features (e.g. private space, sharing space, CCTV, etc.)
 - e. Monthly rent price - required field
 - f. Notes – optional field
 - g. Name of the reporter – required fields
- ii. Delete basic details
- iii. Update basic details
- iv. Search for Storage Spaces
- v. Add a note for Storage Spaces

I have developed some of the functionalities above mentioned using native android in java and all of the above functionalities are developed using PhoneGap. All the above functionalities are working fine without any exception.

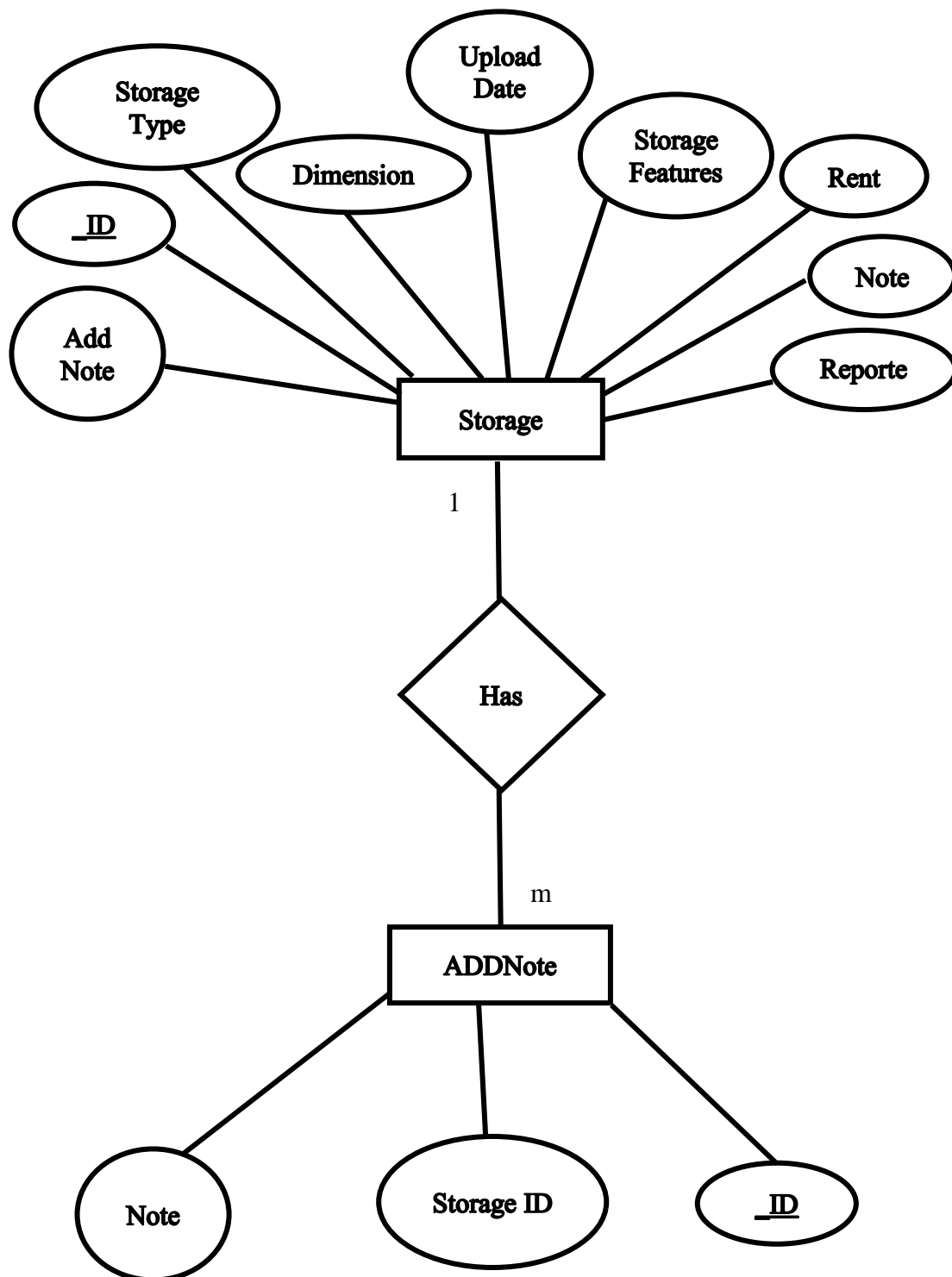
MyStorage App

I have given you a sharable link to my google drive for access my source files because of the issue of my file size.

You can access all the source files using the below link.

Link: <https://drive.google.com/open?id=1A6n3hBpl2MreeHd9Z5LlkgqaUR8pyAxf>

ER Diagram



Report

Section 1

Feature	Implementation
a)	Fully implemented
b)	Fully implemented
c)	Fully implemented
d)	Fully implemented
e)	Fully implemented
f)	I have created a native prototype of feature a) and b) but I haven't debugged it
g)	No additional features implemented


Section 2

- i. Upload time should get automatically but sometimes it does not get automatically.
- ii. Normally there should be a login page for the user.
- iii. “AddNote” page doesn’t have an update, delete options.
- iv. In the Storage space display area, all the storage details are shown but not the add note. It displays only in the “AddNote” page.
- v. Not good user-friendly interface.
- vi. The system cant adds any other additional storage features.

Section 3

I have written all the codes using oop methods. All the functions are well design and code inside the classes. And I have designed the interface to ease of use. I have given a menu bar to add items or to search. From the search, all the available storage spaces are shown with all the details so that the user can directly identify the most suitable space. When a user adds an item, the system verifies the item again by the user and also when deleting and editing.

Section 4

 MY Storage

My Storage

StorageType *

Home

Dimensions *

Dimensions

Product Upload Date and Time *

24/4/2019 23:27:3

Storage Features

Private Space

☐

Sharing Space

☐

CCTV

☐

Security

☐

Parking Available

☐

Monthly Rent Price *

Notes

Reporter *

Reporter

ADD

Clear

Figure 1 Add Item Screen



Figure 2 Verification message for not enter value for required fields

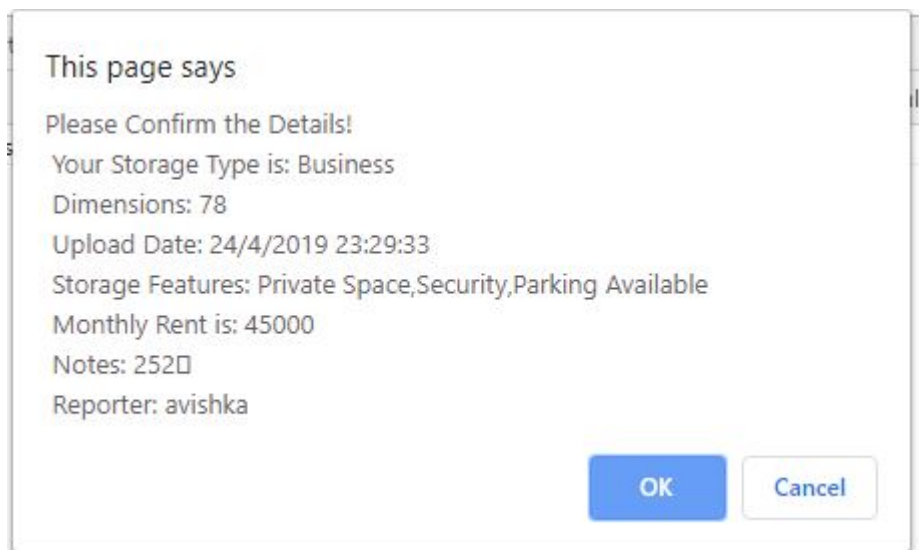


Figure 3 confirmation box to get confirm the details

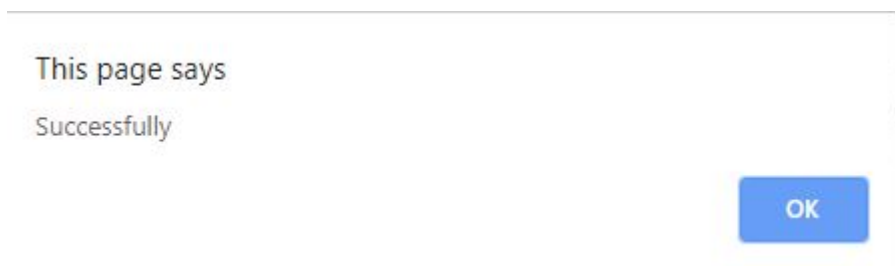


Figure 4 Successfully add the record message

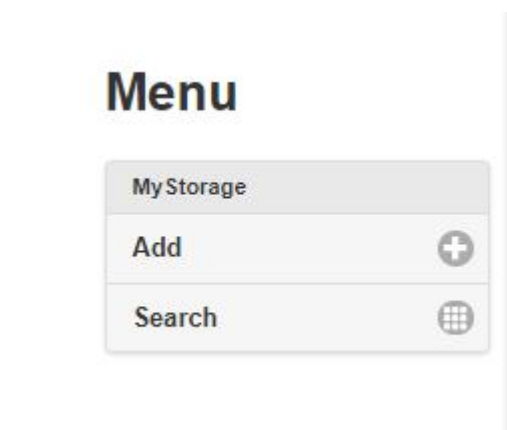


Figure 5 Menu Bar

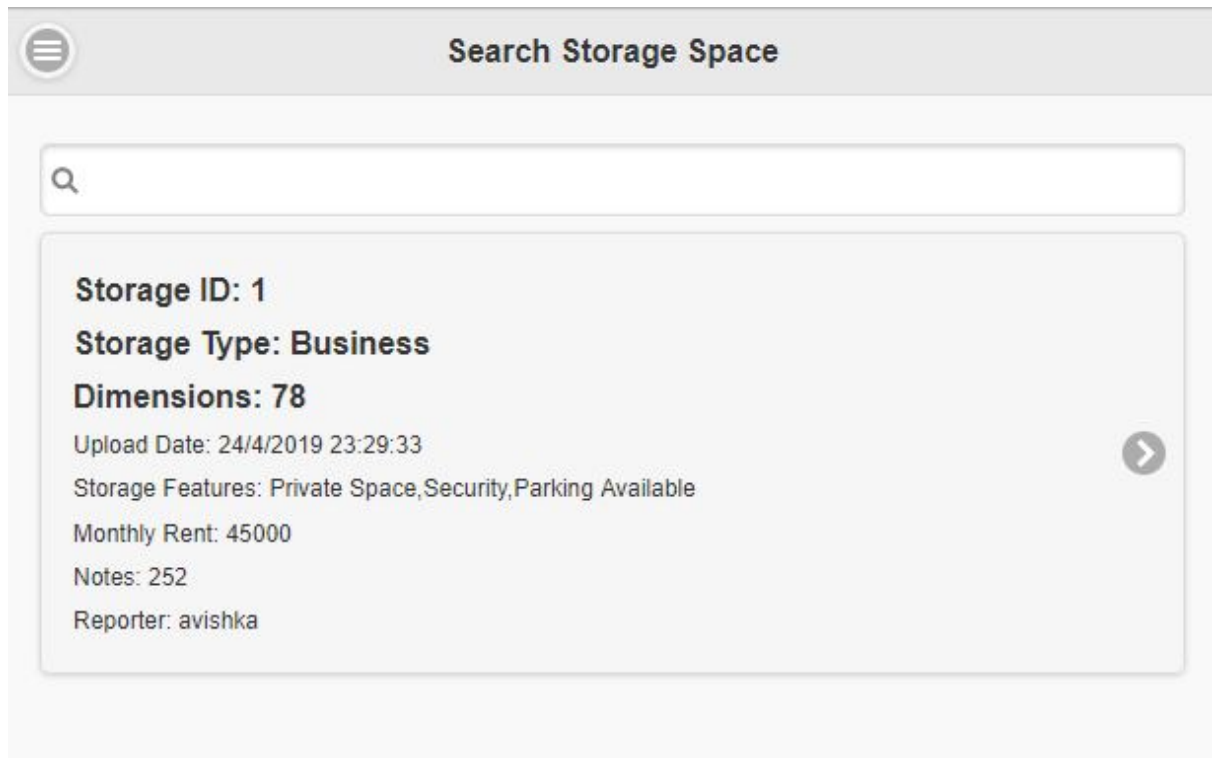


Figure 6 Search area

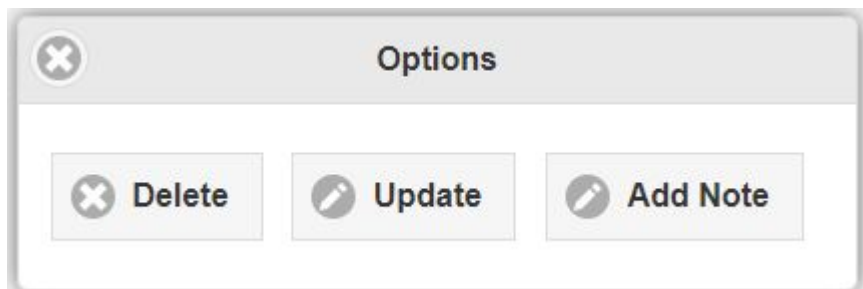


Figure 7 popup window when you click an item on the search list

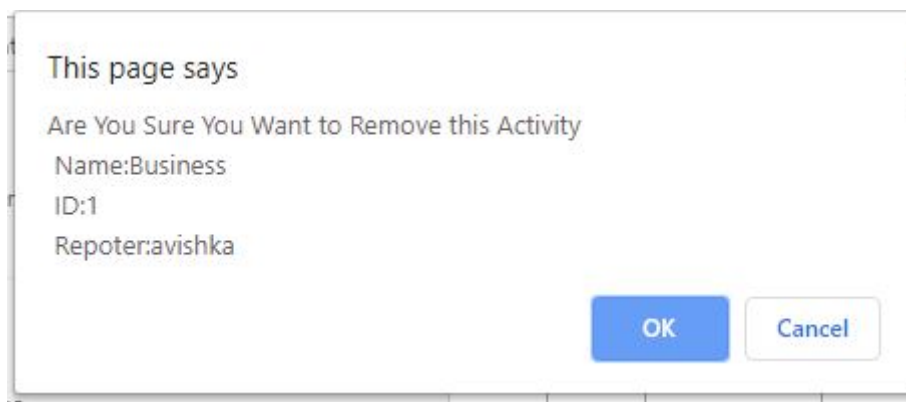


Figure 8 Confirmation box to confirm the delete when click on delete button

Update Storage

My Storage

StorageType *

Home

Dimensions *

78

Product Upload Date and Time *

24/4/2019 23:32:9

Storage Features

Private Space

☒

Sharing Space

☐

CCTV

☒

Security

☐

Parking Available

☒

Monthly Rent Price *

45000

Notes

Reporter *

asd

Update

Figure 9 Update page when you click on update button

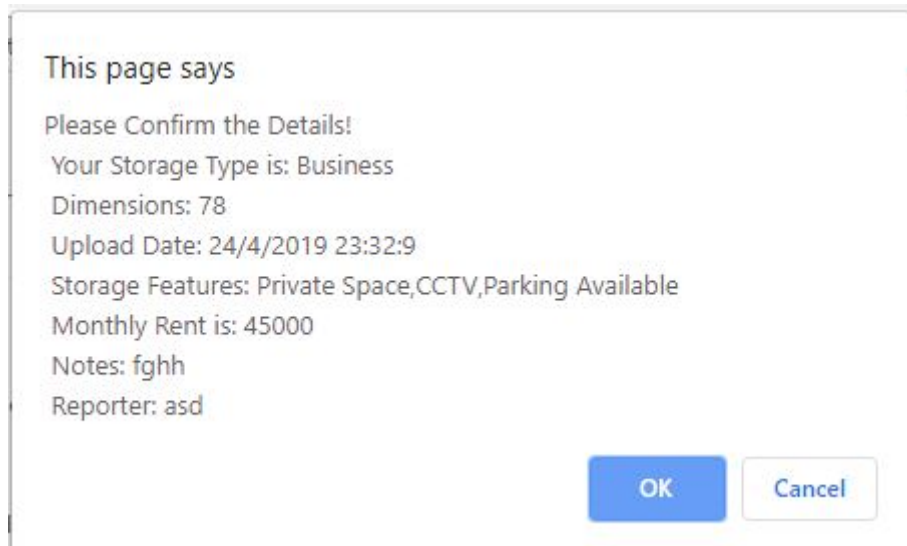


Figure 10 Update confirmation message

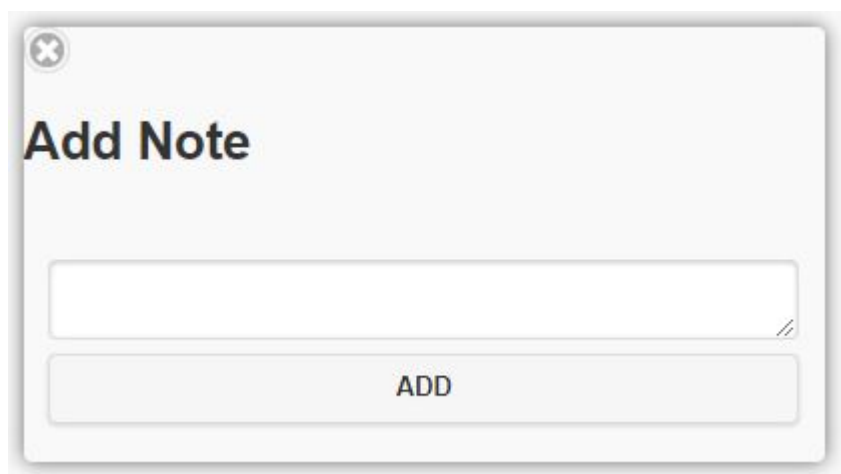


Figure 11 Add Note page when you click on Add Note

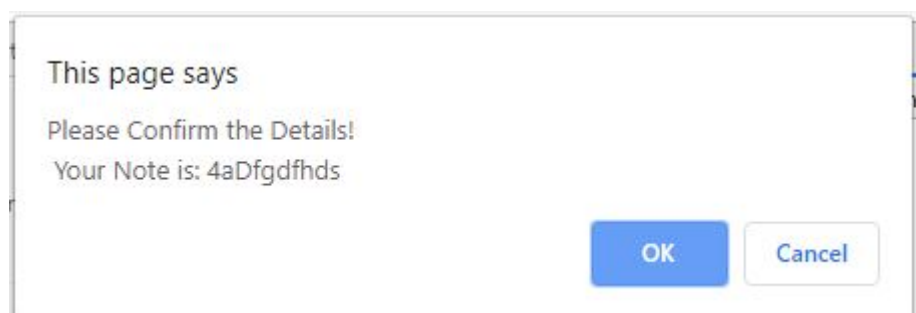
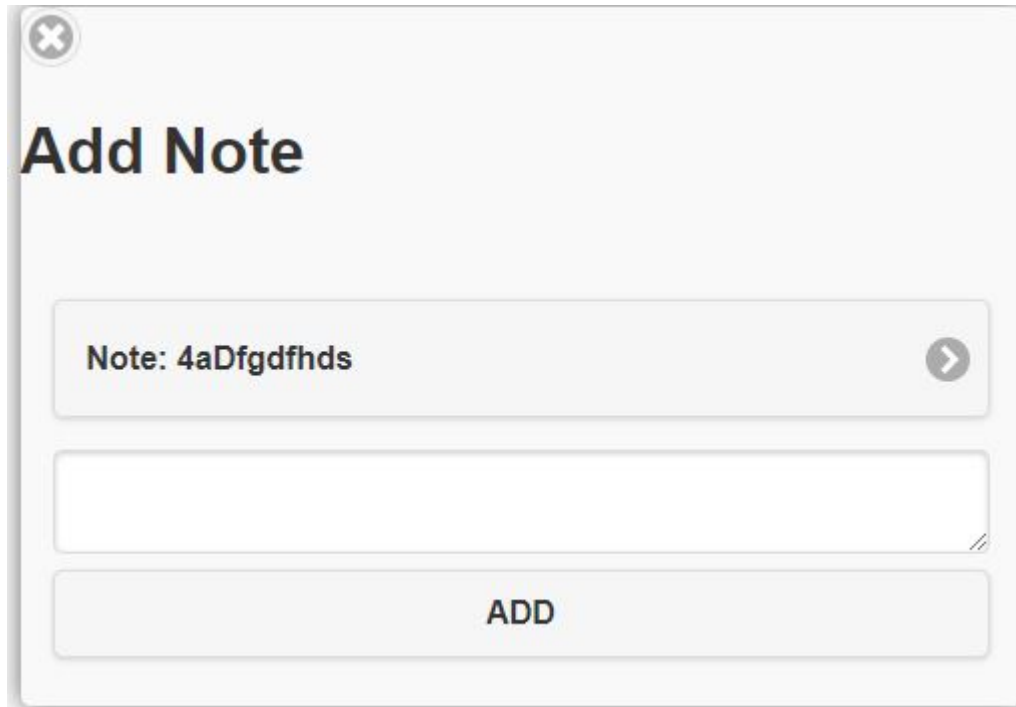


Figure 12 Add Note Confirmation message

A light gray dialog box with a close button (X) in the top-left corner. The title "Add Note" is displayed in a large, bold, black font. Below the title is a text input field containing the text "Note: 4aDfgdfhds" and a right-pointing arrow button. Below the input field is an empty text area with a double-slash icon in the bottom-right corner. At the bottom of the dialog is a wide, light gray button labeled "ADD" in bold black capital letters.

Add Note

Note: 4aDfgdfhds

ADD

Figure 13 Display the notes that entered

Section 5

In my app, there are a lot of things to improve. Such as there must be a log in for each user. For this kind of application, there should be a centralized database to access all data. Not like a temporary database for each server. the user interface should be improved as all the information must be in one screen so that the user can identify all the details. There is no kind of security features. So that we have to improve on that side. Some are the user login, agreement policies, data protection methods and etc. If we can add all the additional features to my app, that will gain an improvement. So that user can add locations and images of the storage spaces. If we trying to expand this system, we need a centralized database to maintain the data, storage spaces with the real-time updating facility.

REFERENCES

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[Accessed 7 04 2019].

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[Accessed 5 04 2019].