

A MINI-PROJECT REPORT ON

# HOSPITAL MANAGEMENT SYSTEM

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE  
IN THE PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE AWARD OF THE DEGREE

**Bachelor of Engineering**  
In  
**Information Technology**

Class: T.E  
BY

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**Under the guidance of**

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**Sinhgad Institutes**

DEPARTMENT OF INFORMATION TECHNOLOGY

RMD SINHGAD SCHOOL OF ENGINEERING

WARJE, PUNE-411058

A.Y: 2021 - 22



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## **CERTIFICATE**

This is to certify that the Mini-Project Report entitled

# **HOSPITAL MANAGEMENT SYSTEM**

Submitted by

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T-041

is a bonafide work carried out by him/her under the supervision of Prof. Uma Malusare and it is submitted towards the partial fulfilment of the requirement for S.E (Information Technology) – 2019 course of Savitribai Phule Pune University, Pune in the academic year 2021-2022.

**(Mrs. Uma Malusare)**

Guide

Department of Information Technology

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Head,

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Place:

Date:

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Principal,

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# Acknowledgement

I feel great pleasure in expressing my deepest sense of gratitude and sincere thanks to my guide Mrs. **Uma Malusare** for their valuable guidance during the Project work, without which it would have been very difficult task. I have no words to express my sincere thanks for valuable guidance, extreme assistance and cooperation extended to all the Staff Members of my Department.

This acknowledgement would be incomplete without expressing my special thanks to Ms. Sweta Kale Head of the Department (Information Technology) for their support during the work.

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Last but not least I would like to thanks all the Teaching, Non- Teaching staff members of my Department, my parent and my colleagues those who helped me directly or indirectly for completing of this Project successfully.

By –

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# **1. TITLE OF THE PROJECT**

Hospital Management System Using Salesforce.

## **2. ABSTRACT**

Salesforce is a cloud-based customer relationship management (CRM) software that accelerates business relationships and can transform the working lives of the team. Marc Benioff developed it in the late 1990s and now it has been announced as the world's most innovative company for six consecutive years by Forbes Magazine . Unlike traditional CRM software, Salesforce is an internet service. It is available with just a sign- up and logs in through a browser, and it is immediately available. It is based on cloud computing, where the customers, without the need of installing any traditional software, can access the cloud, i.e., through the internet, for their business needs. Inventory Management (IM) is the method of controlling and supervising the storage, utilization and ordering of components that an organization can track of their items it sells. It is the act of controlling and administering the quantities of products in the sale. For a business, an inventory is the main asset which represents an investment by the owner until the item is sold . To demonstrate its functionalities of Salesforce, I created an application for inventory management. Here, In the inventory management, there are two parts: one is administration part, and another part is customer portal. The administrator manages the inventory and store operations, and the customer buys the products in the inventory through customer portal.

## **3. INTRODUCTION**

### **3.1 Problem Definition**

The hospital management software help to run smoothly the regular day to day basis operations of any hospital. The hospital management software is made such a way that it looks after the outpatients, inpatients, billings, database of the patients, and the hospital information including the availability of the doctors, their specialization, the payments to various members of the staff and the billing proces

## **4. SCOPE**

- patient registration
- managing admission
- overall management of various departments

## **5. SPECIFIC REQUIRMENTS**

### **5.1 Hardware Requirement**

- Network Latency of 200ms or less.
- Download speed of 1 Mbps or greater.
- At least 5 GB of RAM, with 2 GB available for Salesforce browser tabs

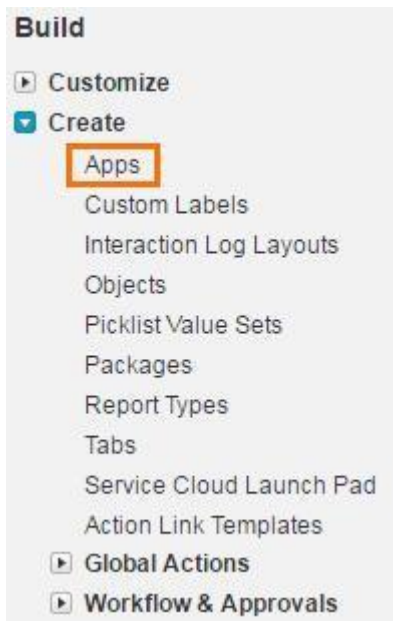
### **5.2 Software Requirements**

- Web Browser.

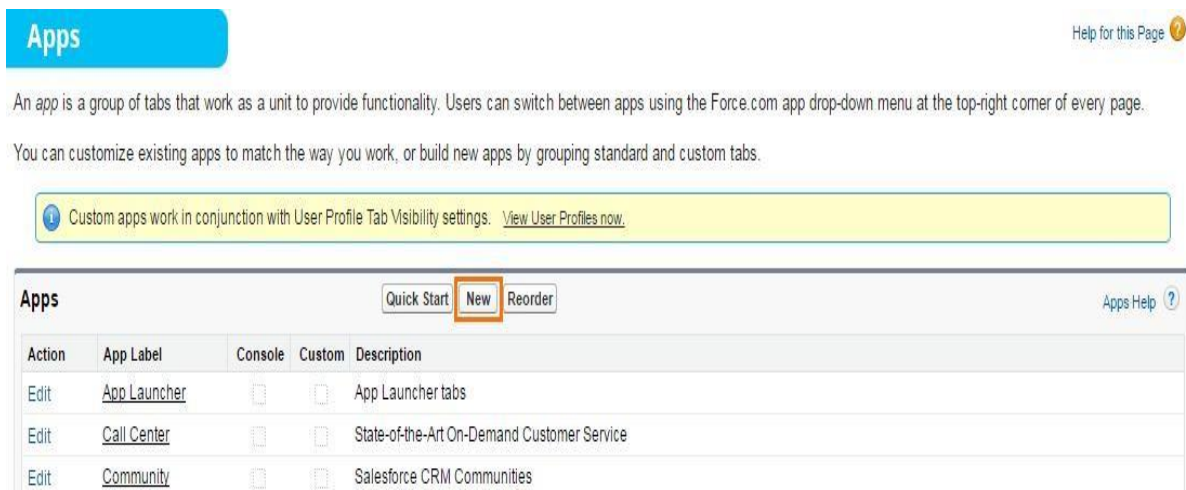
## 6. Steps :-

### 6.1 Steps for Creating Application Using Salesforce:-

1. Click on *Setup* button next to app name in top right corner.
2. In the bar which is on the left side, go to *Build* → select *Create* → select *Apps* from the drop down menu.



3. Click on *New* as shown in the below screenshot.



4. Choose *Custom App*.
5. Enter the *App Label*. StudentForce is the label of my app. Click on *Next*.

#### New Custom App

[Help for this Page](#)

Step 2. Enter the Details

Step 2 of 5

Fill in the fields below to define the custom app.

Custom App Information

= Required Information

App Label

StudentForce

Example: HRforce, Financeforce, Bugforce

App Name

StudentForce

Description

Previous

Next

Cancel

6. Choose a profile picture for your app. Click Next.
7. Choose the tabs you deem necessary. Click Next.
8. Select the different profiles you want the app to be assigned to. Click Save.

## 6.2 Steps To Add Tabs:-

1. Click on '+' in the tab menu.
2. Click on *Customize tabs*, which is present on the right side.
3. Choose the tabs of your choice and click on *Save*.

#### Customize My Tabs

Choose the tabs that will display in each of your apps.

Custom App:

StudentForce

Available Tabs

App Launcher

Assets

Campaigns

Cases

Console

Content

Contracts

Contribute

D&B Companies

Dashboards

Data.com

Add

Remove

Selected Tabs

Home (default)

Accounts

Chatter

Contacts

Groups

Leads

Profile

Students

Up

Down

Save

Cancel



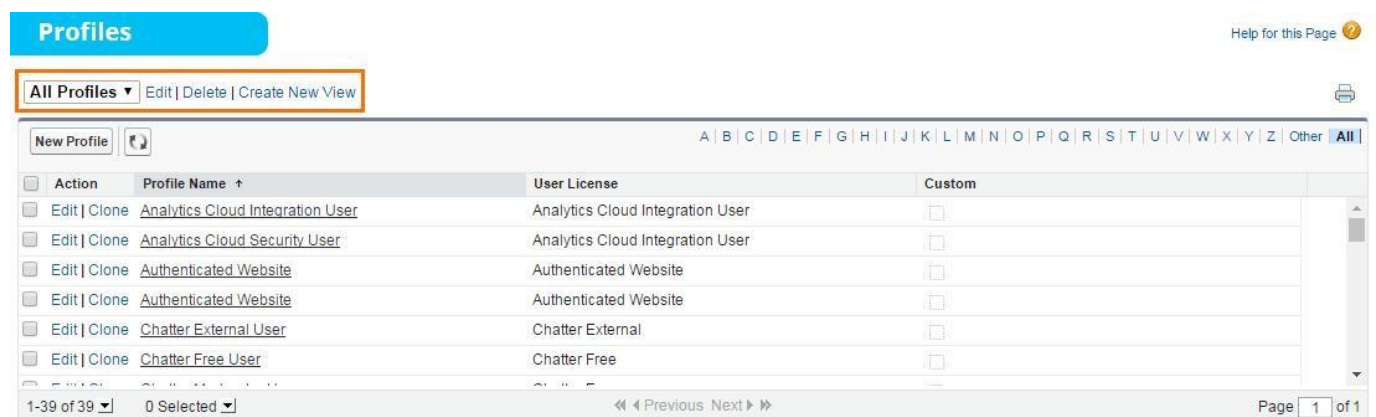
## Steps To Create Custom Tabs:-

1. Navigate to Setup → Build → Create → Tabs.
2. Click on New.
3. Select the object name for which you are creating a tab. In my case, it is Students Data. This is a custom object which I have created (the instructions to create this object is covered later in this blog).
4. Choose a tab style of your preference and enter a description.
5. Click on Next → Save. The new Students Data tab will appear as shown below.



## 6.3 Steps To Create A Profile :-

1. Click on Setup → Administer → Manage users → Profiles
2. You can then clone any of the existing profiles by clicking on Edit.



## 7. OUTPUT :-

The screenshot displays the Salesforce Lightning interface for a patient record. The browser address bar shows the URL: [https://rmdssoe9.lightning.force.com/lightning/r/patient\\_\\_c/a015i00000BRxCxAA/view](https://rmdssoe9.lightning.force.com/lightning/r/patient__c/a015i00000BRxCxAA/view). The page header includes navigation links like 'Get Started', 'Check Out Top Features', 'Leave Feedback', 'Days left in trial 30', and a 'Subscribe Now' button. The main content area shows a patient record for 'hos'. A search bar at the top right contains the text 'hos'. Below the search bar, there are tabs for 'All', 'Search patients and more...', and a dropdown menu. The patient record details include: Owner: ATHARVA KULKARNI, phone: +919518943376, Disease: Cough, Assigned Doctor: A. Patil, Created By: ATHARVA KULKARNI, 5/5/2022, 3:18 AM, and Last Modified By: ATHARVA KULKARNI, 5/5/2022, 3:18 AM. The bottom of the page shows 'Recent Items' and 'Rich Text'.

The screenshot displays the Salesforce Lightning interface for the 'All Folders' dashboard. The browser address bar shows the URL: <https://rmdssoe9.lightning.force.com/lightning/o/Dashboard/home?queryScope=userFolders>. The page header includes navigation links like 'Get Started', 'Check Out Top Features', 'Leave Feedback', 'Days left in trial 30', and a 'Subscribe Now' button. The main content area shows a list of folders under the 'All Folders' section. The list includes: 'List of Doctors' (Created By: ATHARVA KULKARNI, Created On: 5/5/2022, 3:39 AM, Last Modified By: ATHARVA KULKARNI, Last Modified Date: 5/5/2022, 3:39 AM), 'Preconfigured Sales Cloud Dashboards' (Created By: ATHARVA KULKARNI, Created On: 5/4/2022, 5:47 AM, Last Modified By: ATHARVA KULKARNI, Last Modified Date: 5/4/2022, 5:47 AM), 'Sales and Marketing Dashboards' (Created By: ATHARVA KULKARNI, Created On: 5/4/2022, 5:47 AM, Last Modified By: ATHARVA KULKARNI, Last Modified Date: 5/4/2022, 5:47 AM), and 'Service Dashboards' (Created By: ATHARVA KULKARNI, Created On: 5/4/2022, 5:47 AM, Last Modified By: ATHARVA KULKARNI, Last Modified Date: 5/4/2022, 5:47 AM). The bottom of the page shows 'Recent Items' and 'Rich Text'.

Browser tabs: New, (302), Logi, Cher, Welc, Rece, Dasi, Hos, Obje, Hom, Sche, Logi. URL: https://rmdssoe9.lightning.force.com/lightning/o/patient\_c/home

Get Started Check Out Top Features ▾ Leave Feedback Days left in trial 30 Subscribe Now

Hospital Managem... Dashboards ▾ patients ▾ \* Recently Viewed ▾ \* Recently Viewed ▾ X

patients Recently Viewed ▾

3 items • Updated 2 minutes ago Search this list...

	patient Name	
1	<input type="checkbox"/> Bhakti Vichave	▾
2	<input type="checkbox"/> Piyush Kulkarni	▾
3	<input type="checkbox"/> ATHARVA KULKARNI	▾

Recent Items Rich Text

Browser tabs: New, (302), Logi, Cher, Welc, New, Dasi, Hos, Obje, Hom, Sche, Logi. URL: https://rmdssoe9.lightning.force.com/lightning/o/patient\_c/new?count=3&nooverride=1&useRecordTypeCheck=1&navigationLocation=LIST\_V...

Get Started Check Out Top Features ▾ Leave Feedback Days left in trial 30 Subscribe Now

Hospital Managem... patients Recently Viewed

3 items • Updated 2 minutes ago

patient Name

1 ☐ Bhakti Vichave

2 ☐ Piyush Kulkarni

3 ☐ ATHARVA KULKA

New patient

Information

\* patient Name Anuraag Potdaar

patientID 4

\* phone 8522963741

\* Disease Cough

\* Assigned Doctor A. Patil

Owner ATHARVA KULKARNI

Cancel Save & New Save

Browser tabs: New, (302), Logi, Cher, Welc, Anur, Dasi, Hos, Obje, Hom, Sche, Logi. URL: https://rmdssoe9.lightning.force.com/lightning/r/patient\_c/a015i00000BRxDvAAL/view

Get Started Check Out Top Features ▾ Leave Feedback Days left in trial 30 Subscribe Now

Hospital Managem... Dashboards ▾ patients ✓ patient "Anuraag Potdaar" was created. ✕

patient Anuraag Potdaar New Contact Edit New Opportunity ▾

Related Details

patient Name	Anuraag Potdaar	Owner	ATHARVA KULKARNI
patientID	4		
phone	(852) 296-3741		
Disease ⓘ	Cough		
Assigned Doctor	A. Patil		
Created By	ATHARVA KULKARNI · 5/5/2022, 3:42 AM	Last Modified By	ATHARVA KULKARNI · 5/5/2022, 3:42 AM

Recent Items Rich Text

Browser tabs: New, (302), Logi, Cher, Welc, Rece, Dasi, Hos, Obje, Hom, Sche, Logi. URL: https://rmdssoe9.lightning.force.com/lightning/o/patient\_c/list?filterName=Recent

Get Started Check Out Top Features ▾ Leave Feedback Days left in trial 30 Subscribe Now

Hospital Managem... Dashboards ▾ patients ▾ \* Recently Viewed ▾ ✕ \* Recently Viewed ▾ ✕

patients Recently Viewed 🔽 ⚙️

4 items • Updated a few seconds ago 🔍 Search this list... ⚙️ 📄 🔄 ✎️ 🗑️

	<input type="checkbox"/> patient Name	
1.	<input type="checkbox"/> Anuraag Potdaar	▾
2.	<input type="checkbox"/> Bhakti Vichave	▾
3.	<input type="checkbox"/> Piyush Kulkarni	▾
4.	<input type="checkbox"/> ATHARVA KULKARNI	▾

Recent Items Rich Text

## **8. CONCLUSION**

Salesforce CRM is a dedicated tool that helps the insurance company stay competitive and updated. Salesforce CRM provides a very simple user interface. Features a robust combination of sales, marketing and support with expert collaboration functionality, so individuals across the business can get the crucial information they need right when they need it which helps in total cost reduction and reducing risk factor.