

Web Application Development using ASP.Net

Project 1: Diagnostic Center Bill Management System

This web application will manage billing activities for a small diagnostic center. Generally, small diagnostic offers several types of tests like *Complete blood count, Lipid profile, Urine C/S-200, X-Ray LS Spine, USG Lower abdomen* etc. Since bill processing for these types of tests requires paper work and is very error prone, we are offering this application to process it automatically from their side. Following are the stories (with score) for the mentioned application. Note that, you can't change any specification described below.

Feature List & Score

Sl #	Feature	Score
1	Test Type Setup	3
2	Test Setup	3
3	Test Request Entry	8
4	Payment	4
5	Test wise report	4
6	Type wise report	4
7	Unpaid bill report	4
Total		30

Home

Diagnostic Center Bill Management System

Setup

Test Type

Test

Test Request

Entry

Payment

Report

Test Wise

Type Wise

Unpaid Bill

1. Test Type Setup

User will enter some basic tests' type (like *Blood, Urine, ECG, X-Ray*) using this UI. Type name will be unique. Type list will be ordered by Type Name.

Test Type Setup

Type Name

Save

SL	Type Name
1	
2	
3	

2. Test Setup

User will enter some basic tests information (like whole abdomen, pregnancy profile, Urine C/S-200, X-Ray LS Spine) using this UI. Test name will be unique. Test list be ordered by Test name.

Test Setup

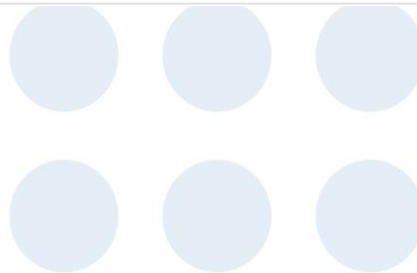
Test Name

Fee
BDT

Test Type
▼

Save

SL	Test Name	Fee	Type
1			
2			
3			



3. Test Request Entry

When a patient comes for some tests, user of the diagnostics will enter all tests information for this patient. When 'Add' button will be clicked, entered information will be displayed in grid. Finally, when user will click 'Save', all information will be saved in database and a PDF will be opened which contain unique bill number and print date.

Test Request Entry

Name Of the Patient

Date Of Birth

Mobile No

Select Test ▼

FEE

ADD

SL	TEST	FEE
1		
2		
3		
4		

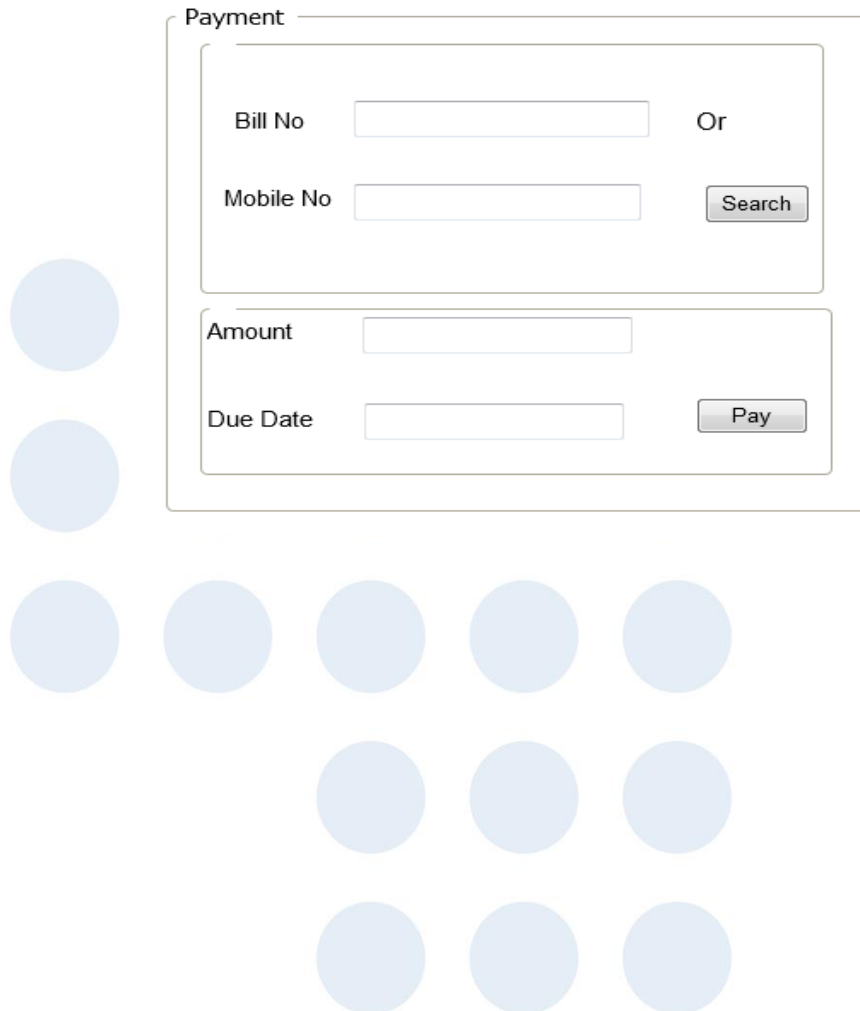
Total

SAVE



4. Payment

User of this UI will use it when patient comes to pay for the bill. User will enter *Bill No* or *mobile number* and click *Search* button, *Total amount* and *due date* against this bill no will be displayed. After that user will take amount from patient and click *Pay* button to update bill payment status.



The image shows a payment UI form with a title bar labeled "Payment". The form is divided into two main sections. The top section contains two input fields: "Bill No" and "Mobile No", separated by an "Or" label. A "Search" button is located to the right of the "Mobile No" field. The bottom section contains two input fields: "Amount" and "Due Date", with a "Pay" button to the right of the "Due Date" field. The form is surrounded by a grid of light blue circles, with two circles in the first column, two in the second, and three in each of the third, fourth, and fifth columns.

5. Test wise report

User will select *from* and *to date* and click *show* button, *test name*, *total number of tests* and *total amount* will be displayed. If any test has no test request for selected dates between, these will also be displayed with their number of test and total amount will be zero.

Test Wise Report

From Date

To Date

SL	Test Name	Total Test	Total Amount

Total

6. Type wise report

User will select *from* and *to date* and click *Show* button, *type name*, *total number of tests* and *total amount* will be displayed. If any *type* has no requested test selected date between, these will also be displayed and their total number of test and amount will be zero.

Type Wise Report

From Date

To date

SL	Test Type Name	Total no Of Test	Total amount
1			
2			

Total

7. Unpaid bill report

All unpaid bill information will be displayed as following format.

Unpaid bill Report

From Date

To date

SL	Bill Number	Contact No	Patient Name	Bill Amount
1				
2				

Total

<-- END -->

SAMPLE DATA

Some Sample Test Name, Fee and Type

Test	Fee	Type
Complete Blood count (Total Count-Differential Count-ESR, Hb %)	400	Blood
RBS	150	Blood
S. Creatinine	350	Blood
Lipid profile	450	Blood
Hand X-ray	200	X-Ray
Feet X-ray	300	X-Ray
LS Spine	1100	X-Ray
Lower Abdomen	550	USG
Whole Abdomen	800	USG
Pregnancy profile	550	USG
ECG	150	ECG
Echo	1000	Echo