



PROJECT REQUIREMENTS Fall 2016

(As specified by the user)

The project is designed to acquaint the student with working in a team environment, obtaining user requirements, modeling these requirements, and creating a prototype of at least a portion of the system requested. Initially the user requirements are oral with the written requirements supplied at a later date. The intent of this approach is to encourage the student to continue to meet with the user (instructor) in obtaining and clarifying requirements. The team should take notes and write their version of the user requirements. Once this is done, the team should have the user (instructor) to sign off or correct the requirements as they have interpreted them. Emphasis has been placed on keeping the user involved from the beginning to the end of the project and to consult with the user whenever there is a question about any of the specified requirements.

To achieve this goal, the instructor plays two different roles. For example, if the student asks what tables are needed, then the instructor replies: "I'm just a user. I don't understand what you're talking about." However, if the student explains what they are attempting to do and are unclear about what they are doing, then the instructor assumes an instructor or mentors role and assists the student. However, the question is not blindly answered. The answer is supplied referring to material covered in the text and the classroom.

The project is a Patient Record Keeping System that can be used by any small optical business. The owner of the company would like to have the following Reports:

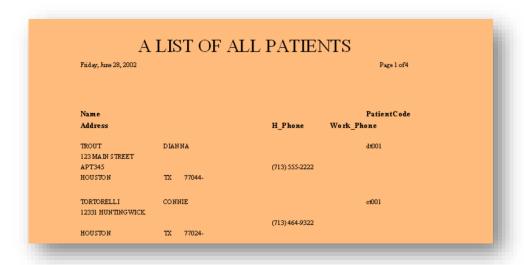
- > A list of all Patients called "Current Patients"
- > A list of Doctors providing service and their current Patients "Doctors and Their Patients"
- ➤ A list of Patients, Their Prescriptions, and Doctor that wrote it "Patient Scripts"
- A list of Patients, with No Prescriptions "Retail Customers Only"
- ➤ A list of Patients with a balance other than zero "Open Patient Accounts"
- > A list of patients with a balance not zero and past due by more than 30 days "Accounts Past Due"

The owner of the company would also like to have the following Forms for data entry:

- "Sunglasses Sales" (No Prescription Required)
- "Prescription Eyeglasses/Contact Sales"
- New "Doctor" in the area
- New "Customer"

A method for selecting actions for dong the data entry and report printing that any user can use with minimal training:

Sample Report Layouts



Doctors Current Patients

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Dr's Name DrCode

Home Phone Office Phone Address

Patient Info

ABRAMS JOHN 12450 MURPHY RD

STAFFORD TX 77345-(713) 555-1111

CASEY BEN CHANNEL 7

BOSTON MA 02148- (617) 555-1234 (617) 555-1111

KORMANIK (713) 555-1111

1234 HOME STREET (713) 584-1000

TX 77079-MOTSUOH

MENDEL DAVID S2SS HARBORTOWN DRIVE APTS19

Patients, Prescriptions, and Doctor

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PatientCode Dr Code Home Phone Work Phone Last Visit

Nam e

180

ARUNA ak001 KEDIA 77079-(713) 777-234 (713) 718-1000 3/10/2002 7

Rx No. 1 PRESCRIPTION Dr's Code 7 ZORBA RX_Date 3/8/2002 OD_Sphere OD_Cylindr OD_Axis OD_Prism OD_Base OD_Dec 325 125 180 2.25 125 3 3 OS_Cylindr OS_Axis OS_Prism OS_Base OS_Dec OS_Sphere

Width Lens_Mil Bifocal Txifocal Cataract Height Inset P EXECUTIVE 18 20

1.75

025

 Dress Indu Tint
 Eye Size
 Bridge Temple
 Skyle
 Mfg

 D
 AMBER #2
 3.5
 2.5
 55.6
 STRANGE
 GUCCI

 RICHARD
 CHRIS
 77088 11
 (713) 555-696
 (713) 555-9696
 3/29/2002

PRESCRIPTION Dr's Code 11 EYEBALL (305) 555-1400

RX_Date 3/2/2002 OD_Sphere OD_Cytindr OD_Axis OD_Prism OD_Base OD_Dec

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Name	PatientC	ode		
Address		H_Phone	Work_Phone	
CHARLES, RAY	x:001			
238 TO THE BARLANE				
NASHVILLE, TN 56001		(281) 555-86		
CLYDE, NORMAN	ne001			
2468 MAIN APT356				
HOUSTON, TX 77445		(713) 555-09		
OX, DIANNE	d£ 001			
2450 FOXCRAFTLANE				
HOUSTON, TX 77000		(281) 555-97		
FOX, LESTER	16001			
BRIA R RIDGE DRIVE				
HOUSTON, TX 77056		(713) 555-12	(713) 555-2468	
GLINA, ROBERT	z 001			
5415 CHEENA DR				
5415 CHEENA DR HOUSTON, TX 77036	-		(713) 668-1835	

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"Accounts Past Due" Patients past due over 30 days Same Layout as "Patients With A Balance" Student is to design these forms based upon information currently in the system, or obtained by analysis:

- > Customer (New)
- > Doctor (New)
- > Prescription Eyeglasses/Contact Sales (Doctor and Customer Must Exist)
- > Sunglasses Sales (No Prescription Required, Customer Must Exist)