



Design Manual

CTU Care App



CTU

Splash Screen



Introduction

As mentioned later in the technical manual, the application is quite large and the likelihood of achieving everything set out in this manual is unlikely due to limitations of my programming knowledge and the language itself.

This does not remove the need to have a well constructed plan in any way whatsoever, it just means it is highly likely that the programme will evolve from this plan



Splash Screen

- Plan to link the loading bar to the application and once it has loaded the splashscreen will proceed to the next window
- This must be done last only if there is time
- If you run out of time recycle the timer you have in your calculator app that will just leave the splashscreen up for 5 seconds
- Use MainWindow for the SplashScreen





Login Screen

• Login

User Name

Password

Login Add User





Add User Screen

New User

User Name

Password

☐ User

☒ Admin

Admin Password

Add User



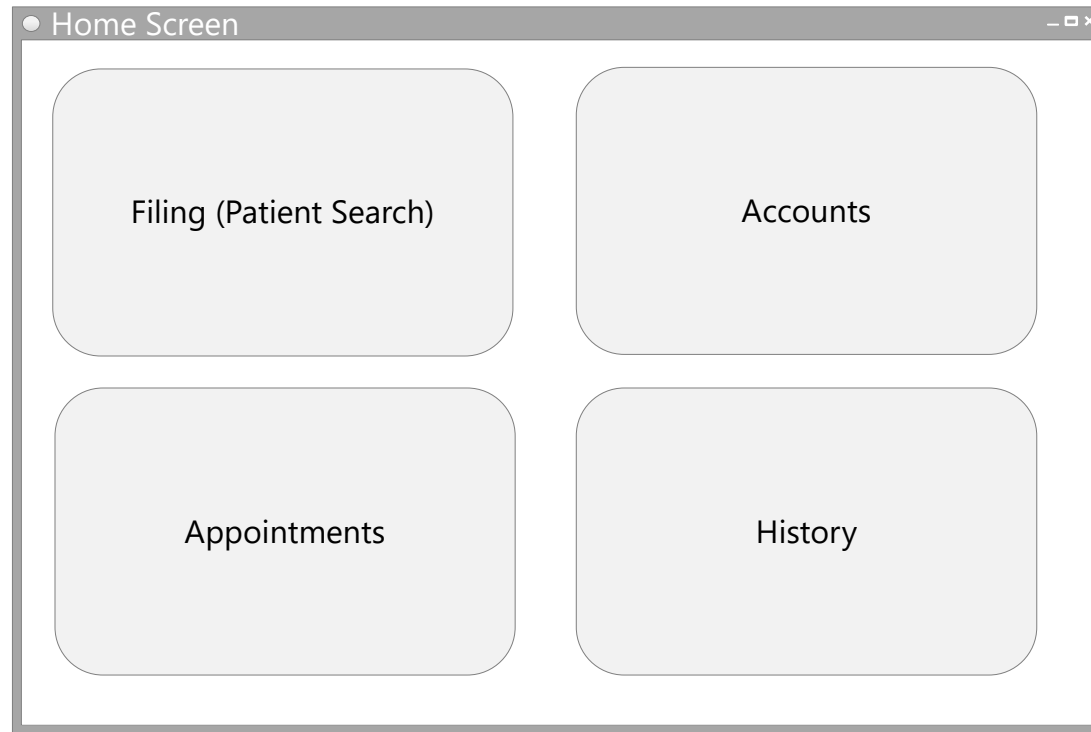
Add User Screen

- Admin Password box is only visible when admin radio is selected





Home Screen





Search Patient Screen

Patients

Search

Name

Surname

ID Number

Medical Aid Number

File Number

Search By

Name

▼

View History





Patient Result Screen

Results

Results

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |

View Statements





Patient Screen

- I can always load a view from SQL for the datagrid if I'm struggling





Accounts Screen

Patients

Search

Name

Surname

ID Number

Medical Aid Number

File Number

Search By

Name

Load Statement



Account Statement Screen

Patients

Statement for

Date 1

Date 2

Date 3

PDF Statements loaded
into scrollviewer here

Load

Print

Mail



Statement Screen

- It doesn't have to be able to print, you just have to show the user what is in their account
- <http://stackoverflow.com/questions/123947/wpf-to-pdf>





Home Screen





Home Screen

- I want the buttons to always take up a quarter of the window size
 - Lock the buttons to their own lines in the GUI





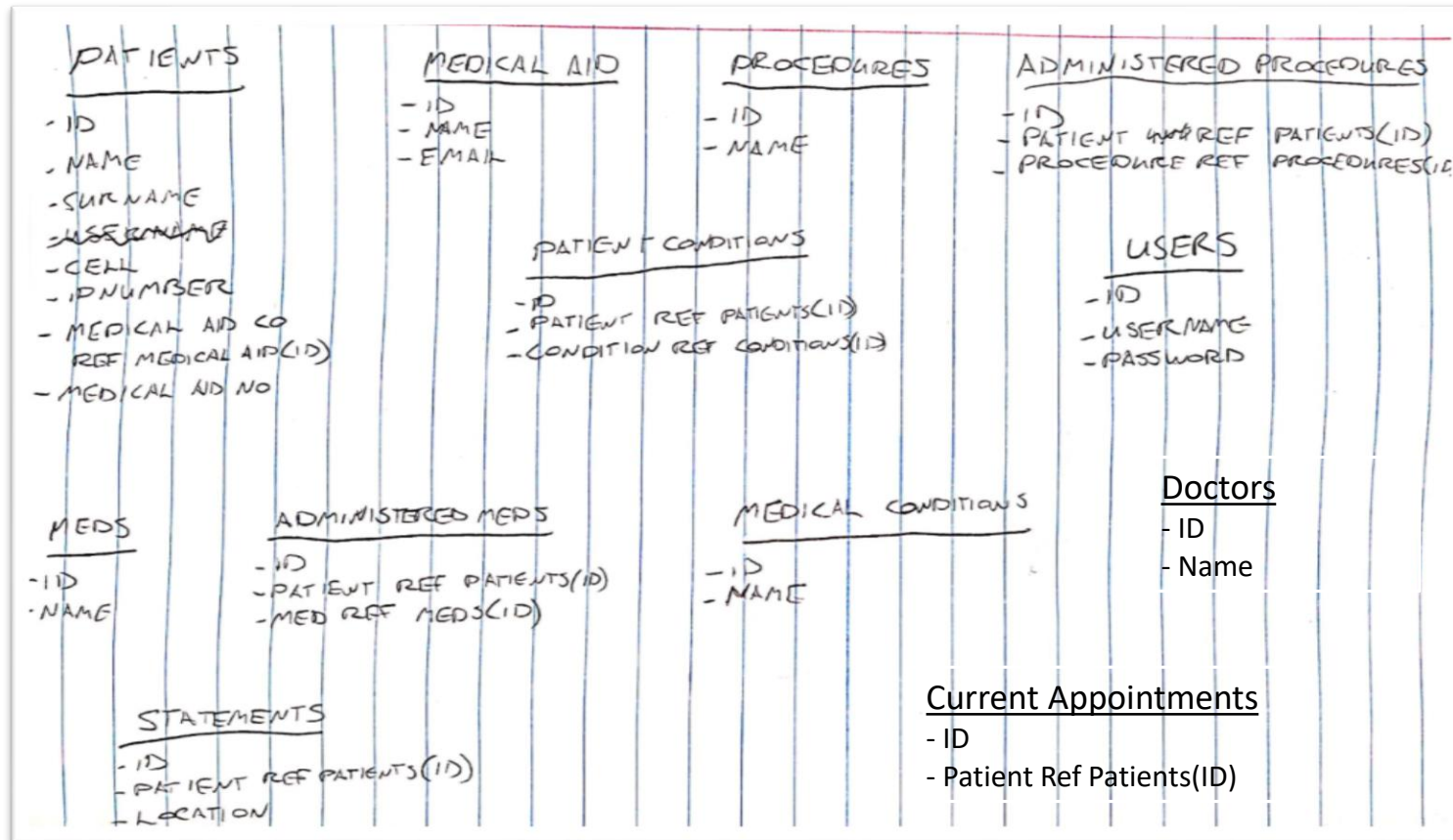
Accounts Screen

- Creating printable PDFs
 - <https://msdn.microsoft.com/en-us/library/aa970909.aspx> flow document
-





Database



Appointments

When saving appointments to the database, a current appointments table as well as appointments table must get the new appointment saved to it. When closing the appointments it must be deleted from current appointments





Storage of Information

- Statements must be generated and written to a PDF. The PDF will be saved to a specific location and the location will be stored in the Database
- Going to need to have a screen where patient info is displayed.
 - There needs to be a dispatched button at some point
 - When this button is clicked, the medical aid needs to be mailed with the statement and the Boolean value needs to be updated in the database
 - The date entered will be captured when an appointment is made
 - Use date picker





Recording Appointment Info

- When on the appointment screen, there must be a button to book a new appointment
 - This is where you will be taken to another window
 - When one wants to book an appointment, there must be a dropdown for patients and an option to add patients if they are not there yet
- There will also be a datepicker to select the day you want the patient to come in



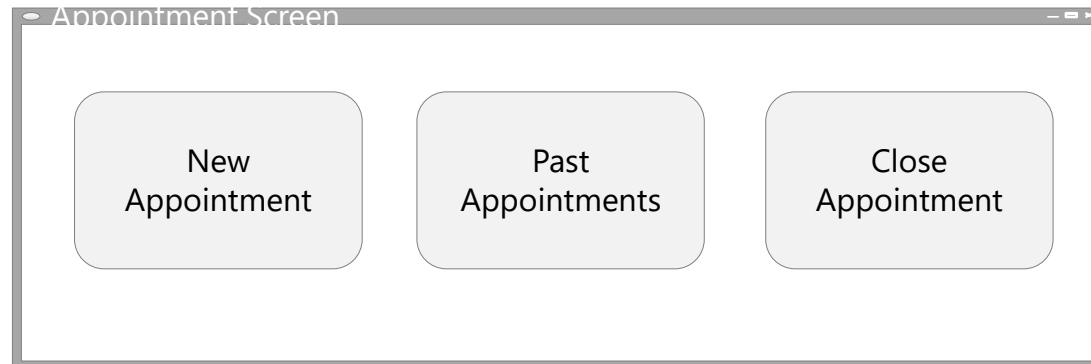


Screen





Appointment Screen





New Appointment Screen

Appointment Screen

Select a Patient

John Smith

Select a Dr

Dr Vlok

Planned Procedure

Lung Transplant

Date to come in

September

13

2011

Date scheduled for dispatch

September

13

2011

New Patient

New Procedure

New Doctor



New Appointment Screen

- The time out datepicker will be disabled should the procedure type be consultation





New Doctor Screen

New Doctor

Name

...

Consultation Fee

...

Add





New Procedure Screen

New Procedure

Procedure

...

Price

...

Add





New Patient Screen

New Patient

Name

Cell No

Surname

ID No

Cell No

Medical Aid Co

Text

Medical Aid No

Address

Add





New Patient Screen

- The file number for the patient will be added automatically as the ID in the database



Conclusion

Many aspects were changed and integrated, such as patient information, the filing system and the accounts system being refined into one aspect.

I unfortunately ran out of time for aspects such as the printing and emailing of statements as well as syncing the splash screen with the loading of the window.

Through careful database manipulation, I managed to get a similar sort of design and idea to what I had originally set out to do in this document. I was happy with the overall outcome