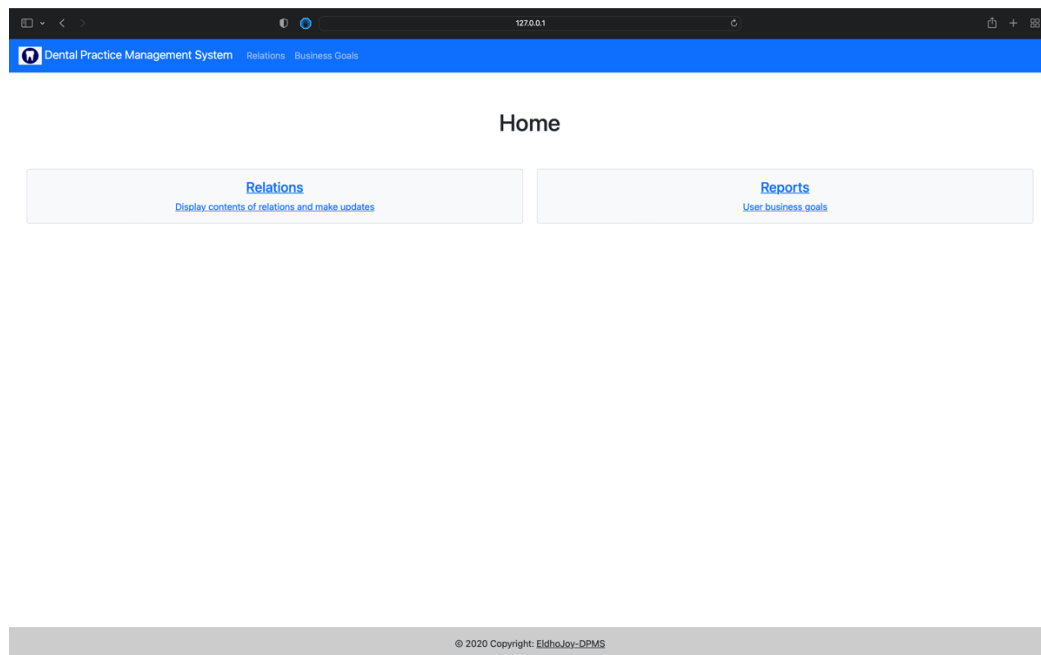


# Dental Practice Management System – Application README

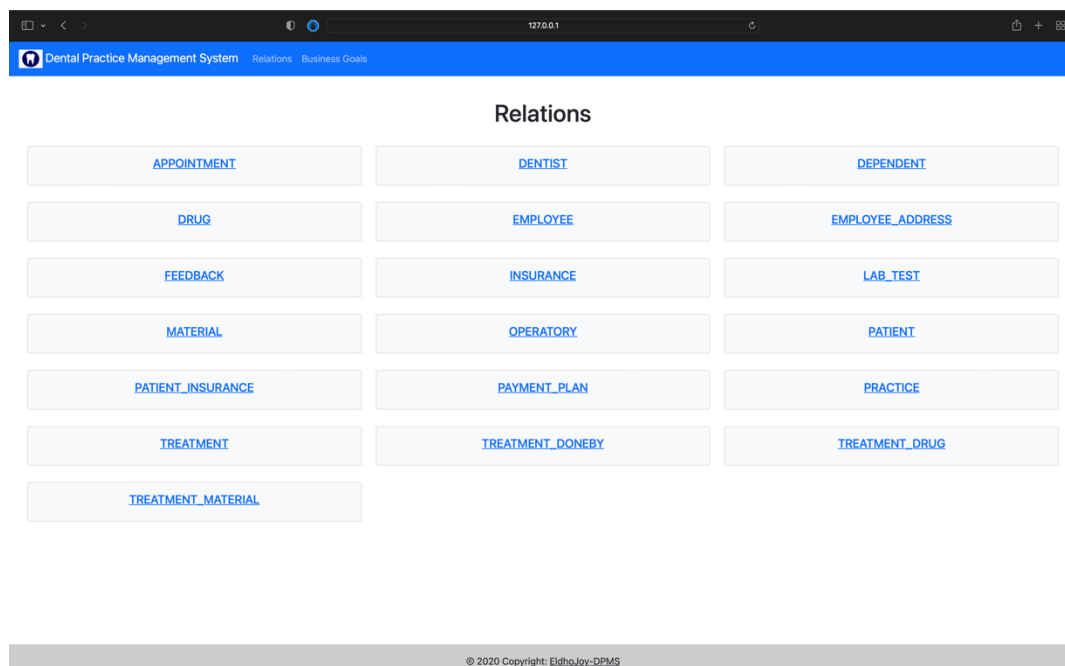
1. Install all the dependencies by running command  
Pip install -r requirements.txt
2. Download oracle - instantclient\_19\_8 and copy it to application root folder  
<https://www.oracle.com/database/technologies/instant-client/macos-intel-x86-downloads.html>
3. To run application in command line  
python run.py

## Screenshots of functionalities implemented

1. Home page



2. Relations list



### 3. Appointment Details

Dental Practice Management System

RelationsBusiness Goals

Back

Appointment Details

Home

Date

Patient Name

Taken-for

Status

Location

Filter

#	ApptID	Date	Patient	Taken-for	Status	Location		
1	appt108	15 Nov 2021	Pen Flatte	Dodi Jackman	Confirmed	p702-Loomis		
2	appt296	15 Nov 2021	Trenna Dunks	Alanah Darby	Completed	p707-Mandrake		
3	appt207	14 Nov 2021	Risa Dey	Dr. Lotte Caccavella	Scheduled	p707-Mandrake		
4	appt170	13 Nov 2021	Dorey Ewert	Dr. Lotte Indruch	Completed	p702-Loomis		
5	appt117	12 Nov 2021	Aksel Hallsworth	Dr. Una Jiran	Confirmed	p706-Dryden		
6	appt232	10 Nov 2021	Kamilah Fairburne	Base Blindt	Completed	p705-Westridge		
7	appt210	09 Nov 2021	Vale Gebby	Dr. Honor Gornal	Confirmed	p702-Loomis		
8	appt318	05 Nov 2021	Jenny Wenn	Base Blindt	Completed	p705-Westridge		
9	appt282	05 Nov 2021	Eldon Lazer	Isabella McLaine	Confirmed	p706-Dryden		
10	appt223	03 Nov 2021	Gertruda Tedman	Dr. Alexi Golson	Scheduled	p707-Mandrake		
11	appt291	02 Nov 2021	Merissa Willstrop	Bone Veighey	Completed	p704-Morningstar		
12	appt148	02 Nov 2021	Tiffi Unstead	Dr. Olenka Albutt	Canceled	p701-Loomis		
13	appt169	01 Nov 2021	Gualterio Pigford	Dr. Henriette Jindrak	Confirmed	p705-Westridge		
14	appt143	30 Oct 2021	Richard McClements	Isabella McLaine	Canceled	p706-Dryden		
15	appt244	30 Oct 2021	Obed Bussons	Dodi Jackman © 2020 Copyright: EldhoJoy-DPMS	Scheduled	p702-Loomis		

### 4. Appointment Details – Filtered by user inputs for appointment taken-for, location and status

Dental Practice Management System

RelationsBusiness Goals

Back

Appointment Details

Home

Date

Patient Name

lotte

confirmed

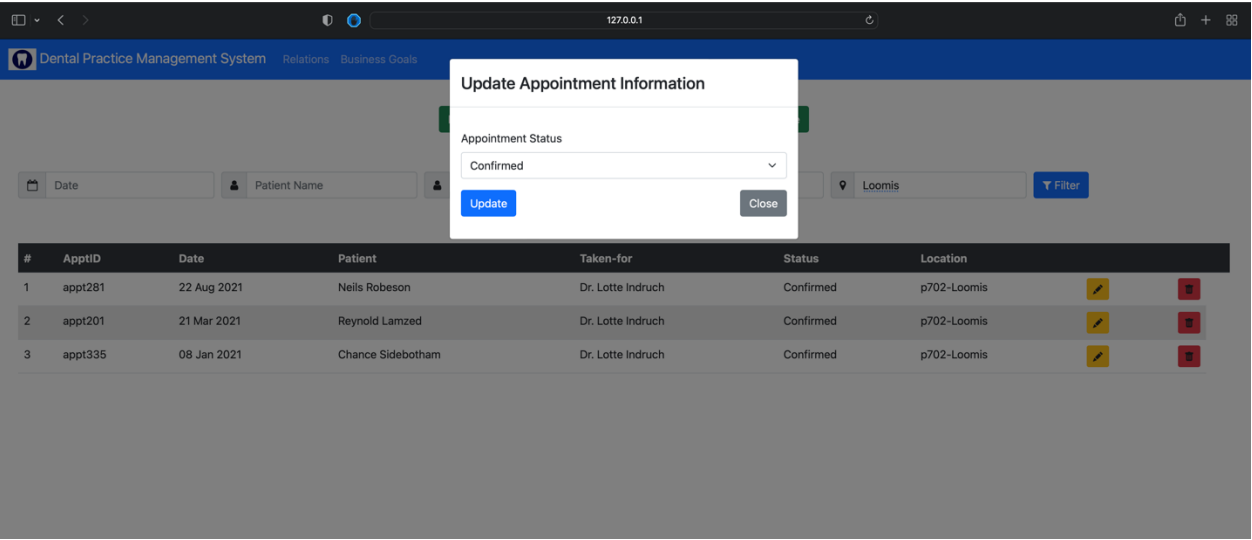
Loomis

Filter

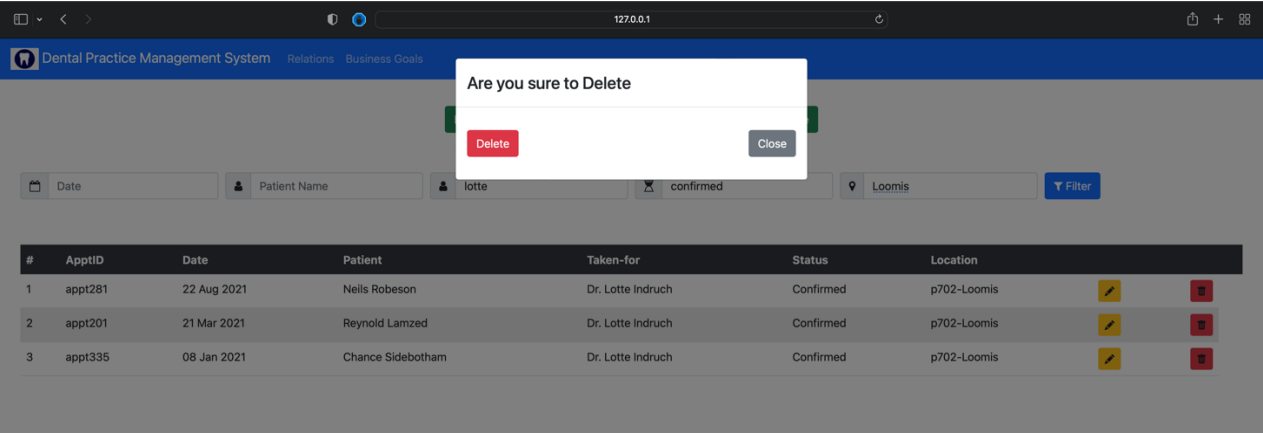
#	ApptID	Date	Patient	Taken-for	Status	Location		
1	appt281	22 Aug 2021	Neils Robeson	Dr. Lotte Indruch	Confirmed	p702-Loomis		
2	appt201	21 Mar 2021	Reynold Lamzed	Dr. Lotte Indruch	Confirmed	p702-Loomis		
3	appt335	08 Jan 2021	Chance Sidebotham	Dr. Lotte Indruch	Confirmed	p702-Loomis		

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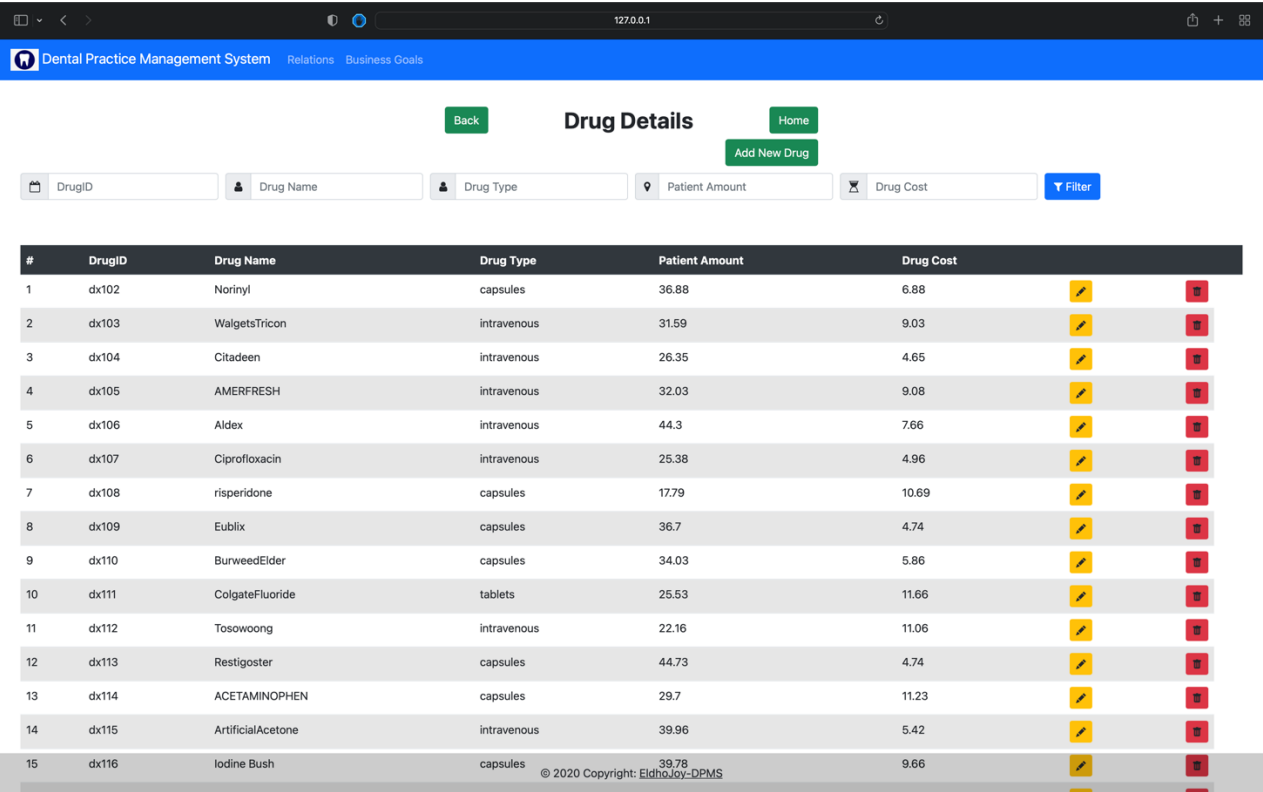
5. Appointment Details – Update the status of one appointment



6. Appointment Details – Delete entry from appointment



7. Drug Details



8. Drug Details – Update drug information

Dental Practice Management System

RelationsBusiness Goals

Updated successfully

DrugID

Drug Name

Drug Cost

Filter

Update Drug Information

Drug Name

Norinyl-UpdatedValue

Drug Type

Tablets

Patient Amount

120.35

Drug Cost

30.12

Update

Close

#	DrugID	Drug Name			Drug Cost		
1	dx102	Norinyl-UpdatedValue			30.12		
2	dx103	WalgetsTricon	intravenous	31.59	9.03		
3	dx104	Citadeen	intravenous	26.35	4.65		
4	dx105	AMERFRESH	intravenous	32.03	9.08		
5	dx106	Aldex	intravenous	44.3	7.66		
6	dx107	Ciprofloxacin	intravenous	25.38	4.96		
7	dx108	risperidone	capsules	17.79	10.69		
8	dx109	Eublix	capsules	36.7	4.74		
9	dx110	BurweedElder	capsules	34.03	5.86		
10	dx111	ColgateFluoride	tablets	25.53	11.66		
11	dx112	Tosowoong	intravenous	22.16	11.06		
12	dx113	Restigoster	capsules	44.73	4.74		

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9. Drug Details – Add new drug

Dental Practice Management System

RelationsBusiness Goals

Updated successfully

DrugID

Drug Name

Drug Cost

Filter

Add New Drug Details

DrugID:

dx1000

DrugName:

Oracle-Omega

Drug Type

Capsules

PatientAmount:

120.45

DrugCost:

20.23

Add Drug

Close

#	DrugID	Drug Name			Drug Cost		
1	dx102	Norinyl-UpdatedValue			30.12		
2	dx103	WalgetsTricon			9.03		
3	dx104	Citadeen			4.65		
4	dx105	AMERFRESH	intravenous	32.03	9.08		
5	dx106	Aldex	intravenous	44.3	7.66		
6	dx107	Ciprofloxacin	intravenous	25.38	4.96		
7	dx108	risperidone	capsules	17.79	10.69		
8	dx109	Eublix	capsules	36.7	4.74		
9	dx110	BurweedElder	capsules	34.03	5.86		
10	dx111	ColgateFluoride	tablets	25.53	11.66		
11	dx112	Tosowoong	intravenous	22.16	11.06		
12	dx113	Restigoster	capsules	44.73	4.74		

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10. Drug Details – view the added drug information

Dental Practice Management System Relations Business Goals							
3	dx104	Citadeen	intravenous	26.35	4.65		
4	dx105	AMERFRESH	intravenous	32.03	9.08		
5	dx106	Aldex	intravenous	44.3	7.66		
6	dx107	Ciprofloxacin	intravenous	25.38	4.96		
7	dx108	risperidone	capsules	17.79	10.69		
8	dx109	Eublix	capsules	36.7	4.74		
9	dx110	BurweedElder	capsules	34.03	5.86		
10	dx111	ColgateFluoride	tablets	25.53	11.66		
11	dx112	Tosowoong	intravenous	22.16	11.06		
12	dx113	Restigoster	capsules	44.73	4.74		
13	dx114	ACETAMINOPHEN	capsules	29.7	11.23		
14	dx115	ArtificialAcetone	intravenous	39.96	5.42		
15	dx116	Iodine Bush	capsules	39.78	9.66		
16	dx117	Esika	capsules	26.36	1.55		
17	dx118	White Petrolatum	intravenous	37.68	10.45		
18	dx119	lisinopril	tablets	20.13	1.82		
19	dx120	Clarinsino	intravenous	32.99	8.21		
20	dx101	Oracle 123	tablets	1222.0	23.0		
21	dxd1000	Oracle-Omega	capsules	120.0	20.0		

11. Reports home page

Dental Practice Management System Relations Business Goals

Relations

- report1
- report2

12. Business goal – Report 1 (The practice owner can view the revenue and expenditures of different locations for 10 years along with the list of employees who contributed to the revenue in different locations)

Dental Practice Management System

RelationsBusiness Goals

Back

Report 1

Home

The practice owner can view the revenue and expenditures of different locations for 10 years along with the list of employees who contributed to the revenue in different locations

#	Treatment Done By	Practice Name	Patient Amount	Practice Cost	Practice Profit
1	Alanah Darby	p701-Paris 20	1199.34	193.63	1005.71
2	Alanah Darby	p702-Qingshi	1049.92	490.9	559.02
3	Alanah Darby	p704-Xiaolongmen	11075.92	2493.15	8582.77
4	Alanah Darby	p706-Munich	7790.12	1728.23	6061.89
5	Alanah Darby	p707-Szamotuay	3757.32	398.16	3359.16
6	Alanah Darby		24872.62	5304.07	19568.55
7	Alexi Golson	p702-Qingshi	556.55	117.71	438.84
8	Alexi Golson	p703-Mandaon	485.57	105.44	380.13
9	Alexi Golson	p704-Xiaolongmen	2086.04	229.88	1856.16
10	Alexi Golson	p706-Munich	1209.04	268.09	940.95
11	Alexi Golson	p707-Szamotuay	1010.46	261.46	749
12	Alexi Golson		5347.66	982.58	4365.08
13	Base Blindt	p701-Paris 20	4672.49	820.38	3852.11
14	Base Blindt	p703-Mandaon	1065.49	251.4	814.09
15	Base Blindt	p704-Xiaolongmen	1224.5	94.66	1129.84
16	Base Blindt	p705-Palkovice	1761.62	477.53	1284.09
17	Base Blindt	p706-Munich	765.44	129.35	636.09
18	Base Blindt		9489.4	1773.32	7716.22

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13. Business goal – Report 2 (Find the patients that has done procedures in the {OPERATORY}(default: hygiene) operatory in last {X}(365 days) days and the total collection amount the practice getting from those)

Dental Practice Management System

RelationsBusiness Goals

Back

Report 2

Home

Find the patients that has done procedures in the {OPERATORY}(default: hygiene) operatory in last {X}(365 days) days and the total collection amount the practice getting from those

Treatment

Number of Days

Filter

#	Patient Name	Amount
1	Krispin Margaret	226.35
2	Brody Rolstone	226.35
3	Elaine Blaber	150.9
4	Kamilah Fairburne	75.45
5	Bill Bottoner	301.8
6	Vale Gebby	226.35
7	Luelle Hobell	75.45
8	Chance Sidebotham	301.8
9	Richard McClements	226.35
10	Eldon Lazer	301.8
11	Kerianne Bragge	226.35
12	Trenna Dunks	75.45
13	Ulrick Georgelin	377.25
14	Janine Sugge	226.35
15	Merissa Willstrop	301.8
16	Leland Pervew	528.15
17	Kitti Messum	226.35

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14. Business goal – Report 2 (generate report by the parameters received from front-end)

Dental Practice Management System

RelationsBusiness Goals

Back

Report 2

Home

Find the patients that has done procedures in the (OPERATORY)(default: hygiene) operatory in last (X)(365 days) days and the total collection amount the practice getting from those

Treatment

200

200

Filter

#	Patient Name	Amount
1	Krispin Margaret	353.25
2	Brody Rolstone	353.25
3	Elaine Blaber	235.5
4	Kamilah Fairburne	117.75
5	Bill Bottoner	471
6	Vale Gebby	353.25
7	Luelle Hobell	117.75
8	Chance Sidebotham	471
9	Richard McClements	353.25
10	Eldon Lazer	471
11	Kerianne Bragge	353.25
12	Trenna Dunks	117.75
13	Ulrick Georgelin	588.75
14	Janine Sugge	353.25
15	Merissa Willstrop	471
16	Leland Pervew	824.25
17	Kitti Messum	353.25

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15. Dentist Details

Dental Practice Management System

RelationsBusiness Goals

Back

Dentist Details

Home

Dentist Name

Specialization

Location

Filter

#	Dentist Name	Specialization	Practice Location		
1	Dr. Olenka Albutt	Prosthodontist	p701-Loomis		
2	Dr. Rasia Bulward	Orthodontist	p701-Loomis		
3	Dr. Honor Gornal	Periodontist	p702-Loomis		
4	Dr. Lotte Indruch	Pedodontist	p702-Loomis		
5	Dr. Kiley Assaf	Orthodontist	p703-Fairfield		
6	Dr. Dannie Nusche	Prosthodontist	p703-Fairfield		
7	Dr. Corine Davidovici	Endodontist	p704-Morningstar		
8	Dr. Kata Swepson	Periodontist	p704-Morningstar		
9	Dr. Rainer Klementz	Pedodontist	p705-Westridge		
10	Dr. Henriette Jindrak	Orthodontist	p705-Westridge		
11	Dr. Whitney Holwell	Prosthodontist	p706-Dryden		
12	Dr. Una Jiran	Periodontist	p706-Dryden		
13	Dr. Lotte Caccavella	Endodontist	p707-Mandrake		
14	Dr. Alexi Golson	Periodontist	p707-Mandrake		

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16. Dentist data filtered – user input for specialization

Dental Practice Management System

RelationsBusiness Goals

Back

Dentist Details

Home

Dentist Name

Prosthodontist

Location

Filter

#	Dentist Name	Specialization	Practice Location		
1	Dr. Olenka Albutt	Prosthodontist	p701-Loomis		
2	Dr. Dannie Nusche	Prosthodontist	p703-Fairfield		
3	Dr. Whitney Holwell	Prosthodontist	p706-Dryden		

17. Dentist data updated

Dental Practice Management System

RelationsBusiness Goals

Update Dentist Specialization

List of Specialization

Orthodontist

Update

Close

Dentist Name

Specialization

Location

Filter

#	Dentist Name	Specialization	Practice Location		
1	Dr. Dannie Nusche	Prosthodontist	p703-Fairfield		
2	Dr. Whitney Holwell	Prosthodontist	p706-Dryden		

18. Dentist data – delete option

Dental Practice Management System

RelationsBusiness Goals

Are you sure to Delete

Delete

Close

Dentist Name

Specialization

Location

Filter

#	Dentist Name	Specialization	Practice Location		
1	Dr. Dannie Nusche	Prosthodontist	p703-Fairfield		
2	Dr. Whitney Holwell	Prosthodontist	p706-Dryden		



19. Dependent Details

Dental Practice Management System

RelationsBusiness Goals

Back

DependentDetails

Home

Dependent

DOB

Gender

Patient

Relationship

Filter

#	Dependent	DOB	Gender	Patient	Relationship		
1	Beaufort	06 Jul 2009	Male	Son	Bobette Goublier		
2	Bernette	17 Mar 2013	Male	Son	Andros Fihelly		
3	Kailey	24 Apr 2003	Male	Daughter	Tessi Powrie		
4	Bertram	27 Nov 2012	Male	Son	Vale Gebby		
5	Pattie	27 Jan 2016	Male	Son	Ramsay Ferryn		
6	Jade	16 Jul 2009	Female	Daughter	Jenny Wenn		
7	Rasia	10 Oct 2007	Female	Daughter	Aksel Hallsworth		
8	Husain	19 Nov 2017	Female	Daughter	Kristian Mounsey		
9	Broderic	23 Nov 2014	Male	Daughter	Baryram Philips		
10	Manda	04 Mar 2021	Female	Son	Amberly Duiged		
11	Rock	30 May 2006	Female	Son	Gualterio Pigford		
12	Obadiah	20 Jun 2020	Male	Daughter	Kerianne Bragge		
13	Genevra	08 Dec 2012	Female	Son	Dorey Ewert		
14	Emmi	14 Jul 2011	Female	Daughter	Albina Evason		
15	Dulce	12 Sep 2021	Female	Daughter	Chance Sidebotham		

20. Dependent details – filtered by user input for DOB month and Relationship as son

Dental Practice Management System

RelationsBusiness Goals

Back

DependentDetails

Home

Dependent

Jul

Gender

Patient

Son

Filter

#	Dependent	DOB	Gender	Patient	Relationship		
1	Beaufort	06 Jul 2009	Male	Son	Bobette Goublier		
2	Marty	26 Jul 2019	Male	Son	Gunter McKinie		
3	Sharity	25 Jul 2014	Female	Son	Philipa Nevins		

21. Dependent – Update dependent information

Dental Practice Management System

RelationsBusiness Goals

Back

DependentDetails

Home

Dependent

Jul

Gender

Patient

Son

Filter

Update Dependent Information

Gender

Male

Relationship

Son

Update

Close

#	Dependent	DOB	Gender	Patient	Relationship		
1	Beaufort	06 Jul 2009					
2	Marty	26 Jul 2019	Male	Son	Gunter McKinie		
3	Sharity	25 Jul 2014	Female	Son	Philipa Nevins		

22. Delete dependent information

Dental Practice Management System

RelationsBusiness Goals

Are you sure to Delete

DeleteClose

Dependent

Jul

Son

Filter

#	Dependent	DOB	Gender	Patient	Relationship		
1	Beaufort	06 Jul 2009	Male	Son	Bobette Goublier		
2	Marty	26 Jul 2019	Male	Son	Gunter McKinie		
3	Sharity	25 Jul 2014	Female	Son	Philipa Nevins		

END