

## Oval Dental System Requirements, Design and Functionality Document.V1.0

Oval Dental software will work in a locally networked environment.

The users of the system are:

### Administrator

- Adds users to the system (doctors, staff etc)
- Adds Events on to the system to be viewed by all users (eg: general meeting,public holiday closure etc)
- Adds insurance companies to the system
- Add treatment plans that are offered in the dental clinic

### **Administrator views the following reports**

- List of all patients
- Filtered list of all patients by date ranges
- List of all patients and payments made and can be filtered by date ranges,mode of payment (cash,credit/debit card, insurance)-Revenue statements.

Filtered list of all prescriptions by date

Filtered list of all treatment plans by date

Report on staff members clock in time

SMS platform for bulk sms to the clinic clients

View report on all patients with balances for easy followup.

### Doctor platform

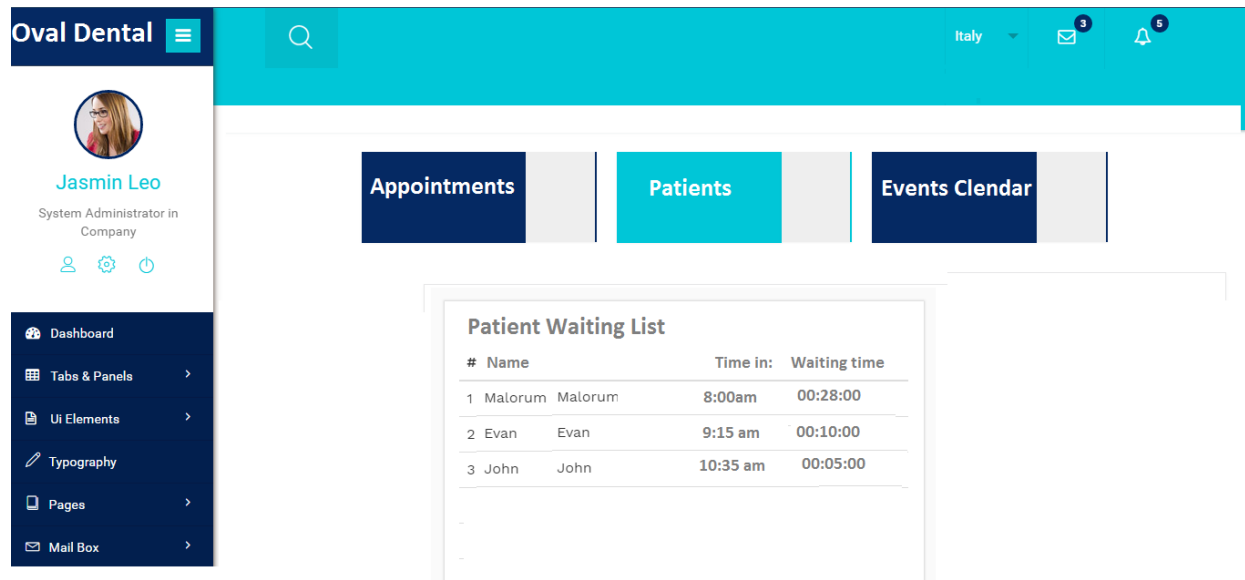
The doctors home page will have the links to view all appointments, All Patients and events in the clinic.

The doctor will have a panel that shows patients **currently in the waiting room, what time they came in** and how much time they have **spent waiting**.

The doctor will be able to view the patients account by clicking the name of the patient on the list and being able to select the option to start the treatment or view history and previous prescriptions.

The doctor can also **search for the patient** under the patient's tab to get the patient listing that offers the option to **start treatment** or **view patient** data.

Start treatment option **effectively removes** the patient from the **waiting list,stops the waiting time** and **starts counting the service time**.All this data should be **stored in the database** and **viewable to the administrator** against each **patients name**.



### Doctor Appointments

The doctor will be able to **view all appointments** and **filter by date**

After viewing the appointments, the doctor has the option of **selecting which ones to remind via sms**

The doctor will also be able to **create an appointment** by clicking **add appointment button**

The doctor will then add the appointment and **notify immediately via SMS** as well as **automatically 2 days before** the appointment.



The doctor will need to review them and approve the appointments which will **automatically notify the patient Via sms**

The screenshot displays the 'Oval Dental' system administrator interface. The top navigation bar is teal with a search icon, a location dropdown set to 'Italy', and notification icons for email (3) and a bell (5). A left sidebar identifies the user as 'Jasmin Leo', System Administrator in Company, with icons for user, settings, and clock. Below this is a dark blue menu with options: Dashboard, Tabs & Panels, Ui Elements, Typography, Pages, and Mail Box. The main content area has three large buttons: 'Appointments' (selected), 'Patients', and 'Events Clendar'. The 'Appointments' section is titled 'Home >Appointments' and includes an 'Add Appointment' button. It features a filter section with 'Select Doctor' (Dr.Ben), 'Start Date' (Mon, 13 June 2016), and 'End Date' (Wed, 13 July 2016), followed by a 'Filter Appointments' button. Below the filters is a table with columns: #, Date, Patient, Contact, and SMS Reminder. The table contains two entries, both for 'Xander McIarland'. Each entry has an 'Approve' button and an unchecked checkbox for 'SMS Reminder'. At the bottom, there is a 'Submit' button and a status bar showing 'Showing 0 to 0 of 0 entries'.

#	Date	Patient	Contact	Approve	SMS Reminder
1	13 Oct, 2015 - 23:05	Xander McIarland	0789654456	Approve	<input type="checkbox"/>
2	19 Mar, 2015 - 03:05	Xander McIarland	0765433452	Approve	<input type="checkbox"/>

### Patients on doctor s module

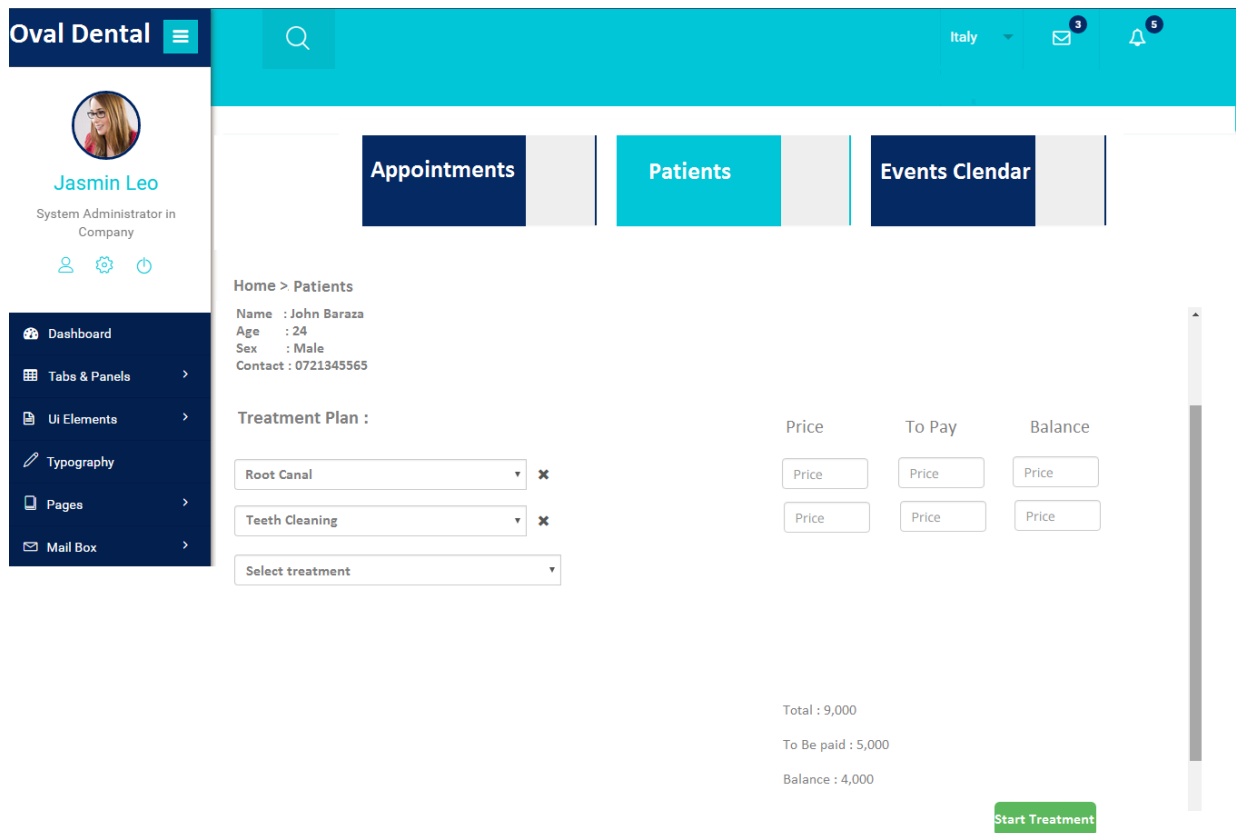
The doctor will be able to view all patients that are in the clinic with the option to **search by any known parameter**.

All doctors have access to the same patient records.

The options under each patient listing will be **start visit** and **view history**







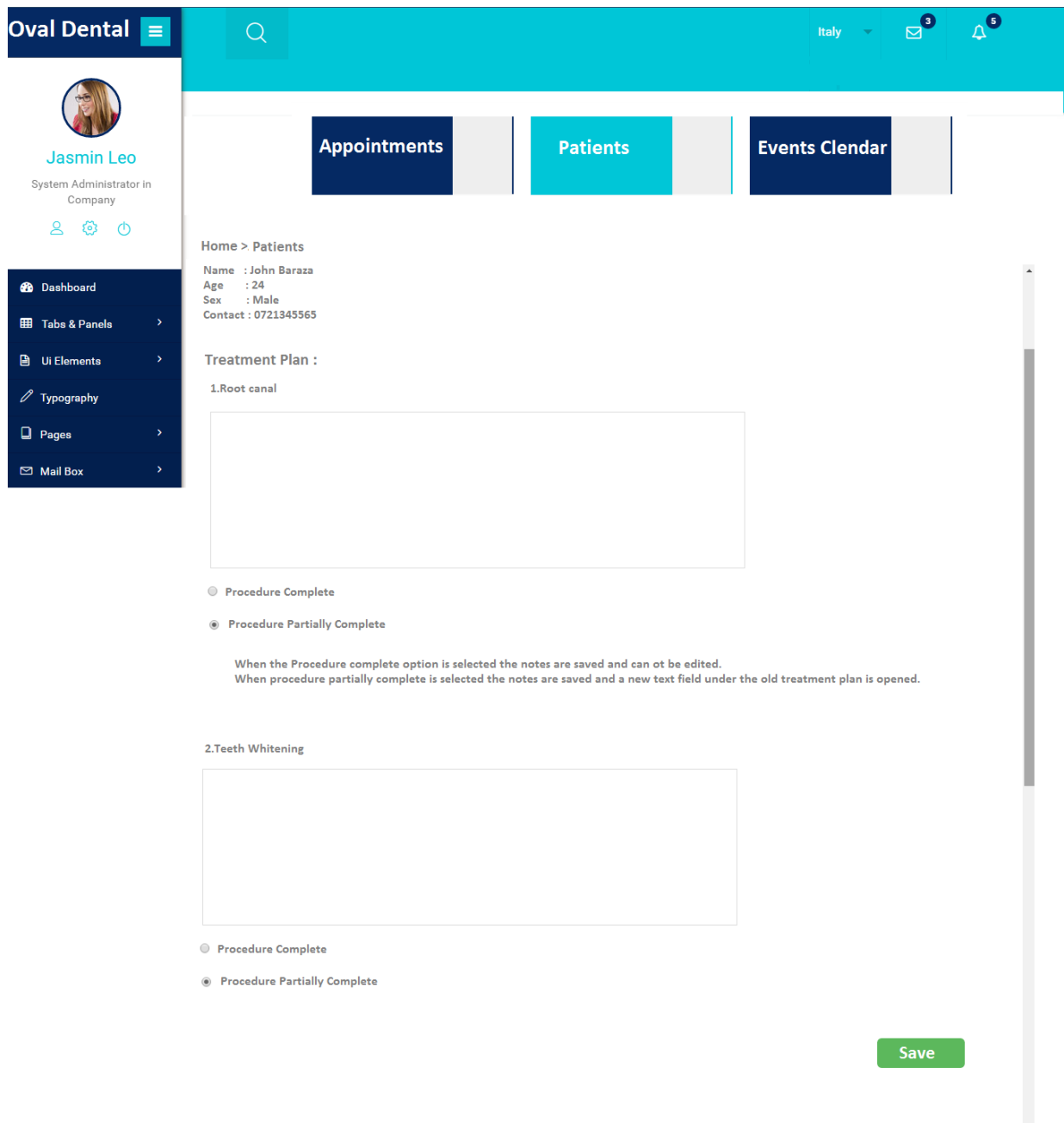
The page will contain the basic details of the patient such as name age sex and contact.

It will also have a **dynamic select dropdown** input that generates a **price input** box, an **amount to be paid** input box and a **balance** input box that the doctor will fill.

The treatment plans will be pre input by the administrator for the doctors to select or delete.

The total price, the price to be paid and the balance is displayed above the start treatment button.

The **start treatment** button **effectively submits the invoice** and details of payment that go to the front office where payments will be made.



On submit, the doctor will have a text input box note pad under each item of the treatment plan.

The doctor will add the notes of each procedure in the input box and when a procedure is complete the doctor will select the radio button to show that procedure is fully complete.

If the procedure is partially complete the radio button will be selected to show that.

Complete procedures will be saved and cannot be edited but can only be viewed.



Partially complete procedures will be saved and once reopened under the procedures tab will open a new input text box.

### **Reception/Front Office.**

The screenshot displays the 'Oval Dental' front office interface. The top header is teal with a search bar, a location dropdown set to 'Italy', and notification icons for email (3) and a bell (5). A left sidebar identifies the user as 'Jasmin Leo', System Administrator in Company, with icons for user, settings, and power. Below this is a dark blue navigation menu with options: Dashboard, Tabs & Panels, UI Elements, Typography, Pages, and Mail Box. The main content area features four tabs: 'Appointments', 'Patients' (active), 'Billing', and 'Events Calendar'. The 'Patients' tab displays a 'Patient Waiting List' table.

#	Name	Time in:	Waiting time
1	Malorum Malorum	8:00am	00:28:00
2	Evan Evan	9:15 am	00:10:00
3	John John	10:35 am	00:05:00
-			
-			

The home panel shows all patients who are currently waiting to see the doctors on the system.

The waiting time module calculates how much time the patient has waited for treatment

### **Appointments**


The appointments module allows the front office receptionist to search and filter all appointments under different doctors.

The module allows the front office receptionist to remind specific patients of their appointments.






## Patients Module

Oval Dental



Jasmin Leo  
System Administrator in  
Company



Dashboard

Tab & Panels



UI Elements

Typography

Pages

Mail Box

Italy



Appointments

**Patients**

Billing






Events Calendar

Home > Patients

10 per page

Copy CSV Excel PDF Print

Search:

	Name	Email	Phone	Sex	Birth Date	Age	Options	
	Dana Glenn	patient2@example.com	+973-85-5523488	male	27/05/1997	7	 Edit	<div>Start Visit</div>
	Xander Mcfarland	patient1@example.com	+765-72-5799258	male	21/07/1991	87	 Edit	<div>Start Visit</div>
	Margaret Fitzgerald	dimuw@gmail.com	+479-68-9120674	female	26/07/1977	93	 Edit	<div>Start Visit</div>
	Raja Gross	patient3@example.com	+581-41-4462858	female	10/03/1971	44	 Edit	<div>Start Visit</div>
	Plato Glover	syhiwuvvj@gmail.com	+598-91-2008533	female	25/01/1974	29	 Edit	<div>Start Visit</div>

Add Patient

When a patient arrives at the clinic, the receptionist can search the name of the patient if the patient is listed under patient and can start the visit.

The start visit button generates a start visit pop up that allows the front office receptionist to fill in the basic pre visit form before submitting to start the waiting time module.

The front office receptionist can edit the basic bio details of the patient.

The screenshot shows the 'Oval Dental Software' interface. A 'Start Visit Form' pop-up is displayed over the main appointment list. The form contains the following fields and options:

- Patient:** John Makau
- Doctor:** Select Doctor (dropdown menu)
- Currently on Medication:** ☒
- Allergies to medication:** ☒
- Food allergies:** ☒
- Submit:** A green button at the bottom of the form.

The background interface shows a sidebar with 'Appointment' selected, a patient list, and a main area with a search bar and a table of appointments.

On click the start visit button generates a pop up that allows the front office receptionist to select the doctor to be seen and fill the form that states basic pre-visit parameters. On submit the button adds the patient to the waiting list and starts the waiting time. The waiting time module is viewable to both the doctor and the front office receptionist.

### **Add new patient**

When a new patient walks in the front office receptionist will generate an add patient from that will be filled with basic details.

The screenshot shows the 'Oval Dental Software' interface with the 'Add Patient' pop-up form open. The form includes the following fields:

- Surname:** Text input field
- Other Names:** Text input field
- Email:** Text input field
- Phone:** Text input field
- Sex:** Select Sex (dropdown menu)
- Birth Date:** Text input field
- Submit:** A green button at the bottom of the form.

The background interface shows a sidebar with 'Patient' selected, a patient list, and a main area with a search bar and a table of patients.

## Billing Module

When the doctor fills the costs of a procedure under the treatment plan, including the amount that the patient will pay and submits the information, the front office receives a billing notification.

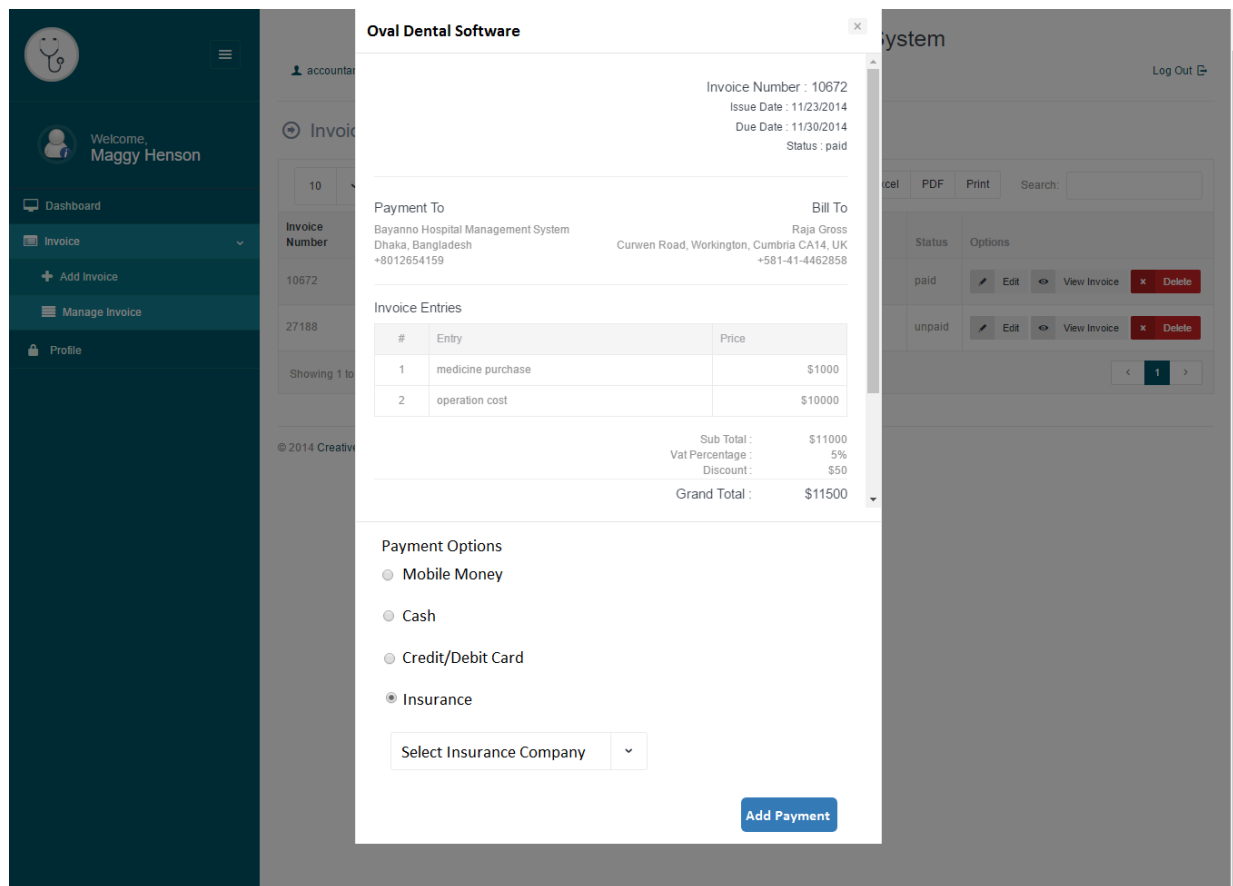
The billing notification allows the front office to receive payment of the patient.

The modes of receiving payment are cash, credit/debit, mobile money and insurance.

The screenshot shows the 'Oval Dental' dashboard. The top header is teal with a search icon, a dropdown menu set to 'Italy', and notification icons for email (3) and a bell (5). The left sidebar is dark blue, featuring a user profile for 'Jasmin Leo' (System Administrator in Company) and a menu with items: Dashboard, Tabs & Panels, UI Elements, Typography, Pages, and Mail Box. The main content area has a teal top bar with four buttons: 'Appointments', 'Patients', 'Billing' (selected), and 'Events Calendar'. Below this, a breadcrumb trail reads 'Home > Billing'. A table displays billing records with columns: #, Date, Doctor, Patient, Contact Phone #, Amount Due, To Pay, Balance, and an 'Add Payment' button. Two records are shown, both for 'Xander Mcfarland'.

#	Date	Doctor	Patient	Contact Phone #	Amount Due	To Pay	Balance	
1	13 Oct, 2015 - 23:05	Isabella Cash	Xander Mcfarland	0702845341	10,000	5,000	5,000	<button>Add Payment</button>
2	19 Mar, 2015 - 03:05	Kay Mclean	Xander Mcfarland	0702845356	9,000	5,000	4,000	<button>Add Payment</button>

When the add payment button is clicked, the system generates a popup from where payments can be received.



On submit the system prints an itemized receipt with the items on the treatment plan.

For insurance patients the system generates a dropdown list that allows the receptionist to select the insurance company and enter the insurance scheme.

The invoice for insurance is then printed.

### **System special Features include.**

1. SMS notifications and custom bulk sms module
2. Biometric clock in system (digital persona biometric reader)
3. Remote software updates
4. Remote access to the system on mobile and offsite locations.