<u>**Oval Dental System Requirements, Design and Functionality Document.V1.0**</u>

Oval Dental software will work in a locally networked environment.

The users of the system are:

<u>**Administrator**</u>

-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.

<u>**Doctor platform**</u>

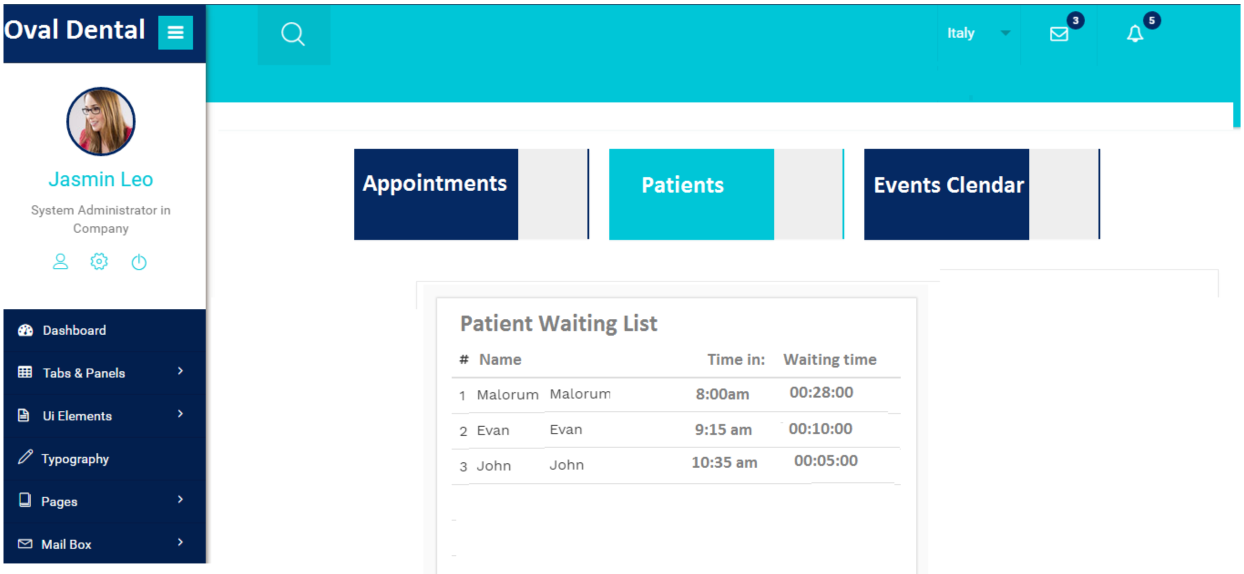
The doctors home page will have the links to view all appointments, All Patients and events in the clinic.

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**.



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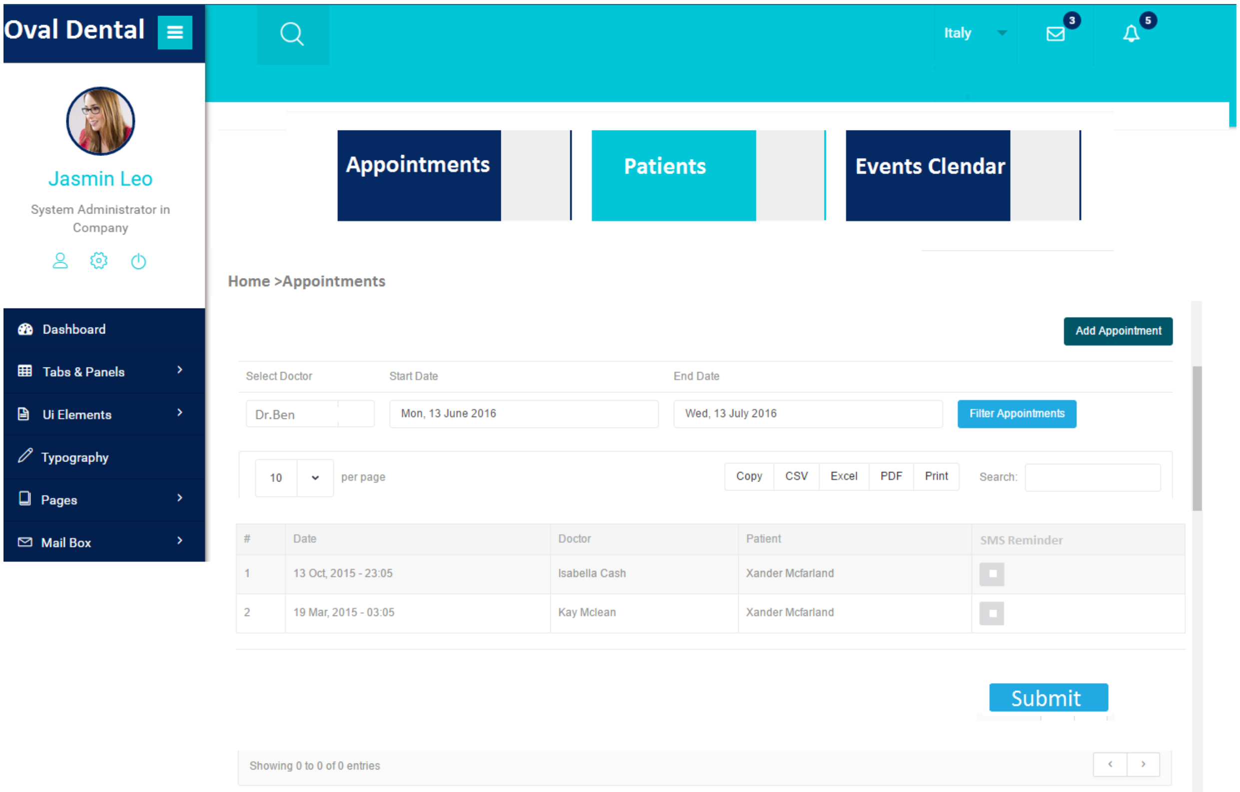
<u>**Doctor Appointments**</u>

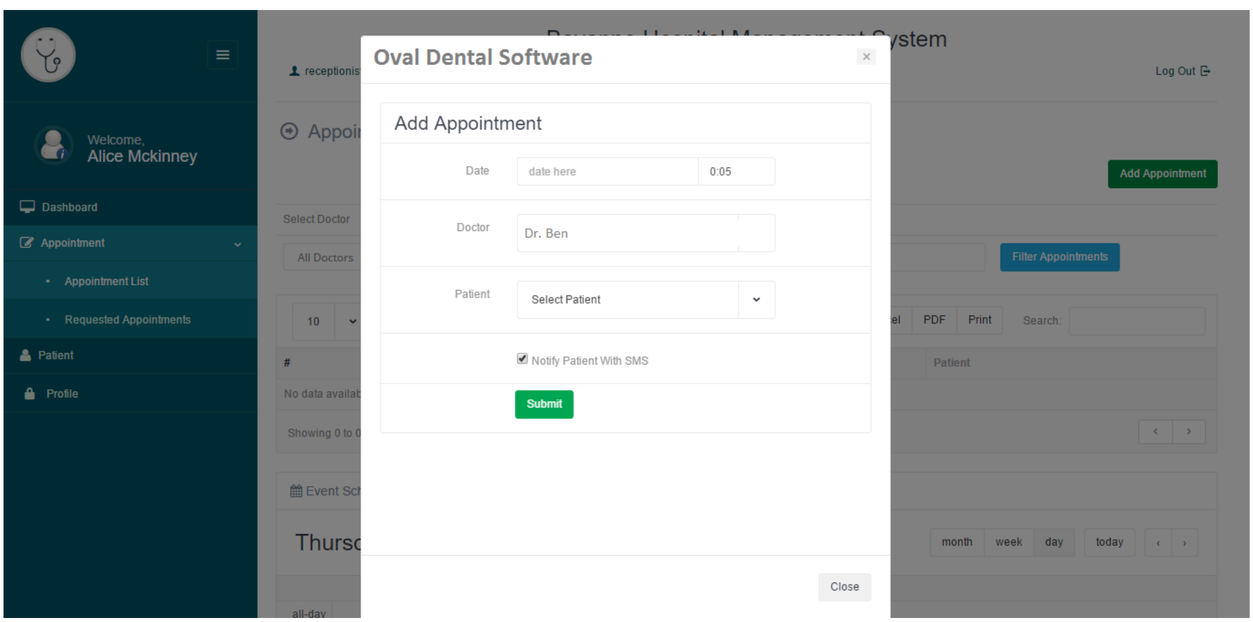
The doctor will be able to **view all appointments** and **filter by date**

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.

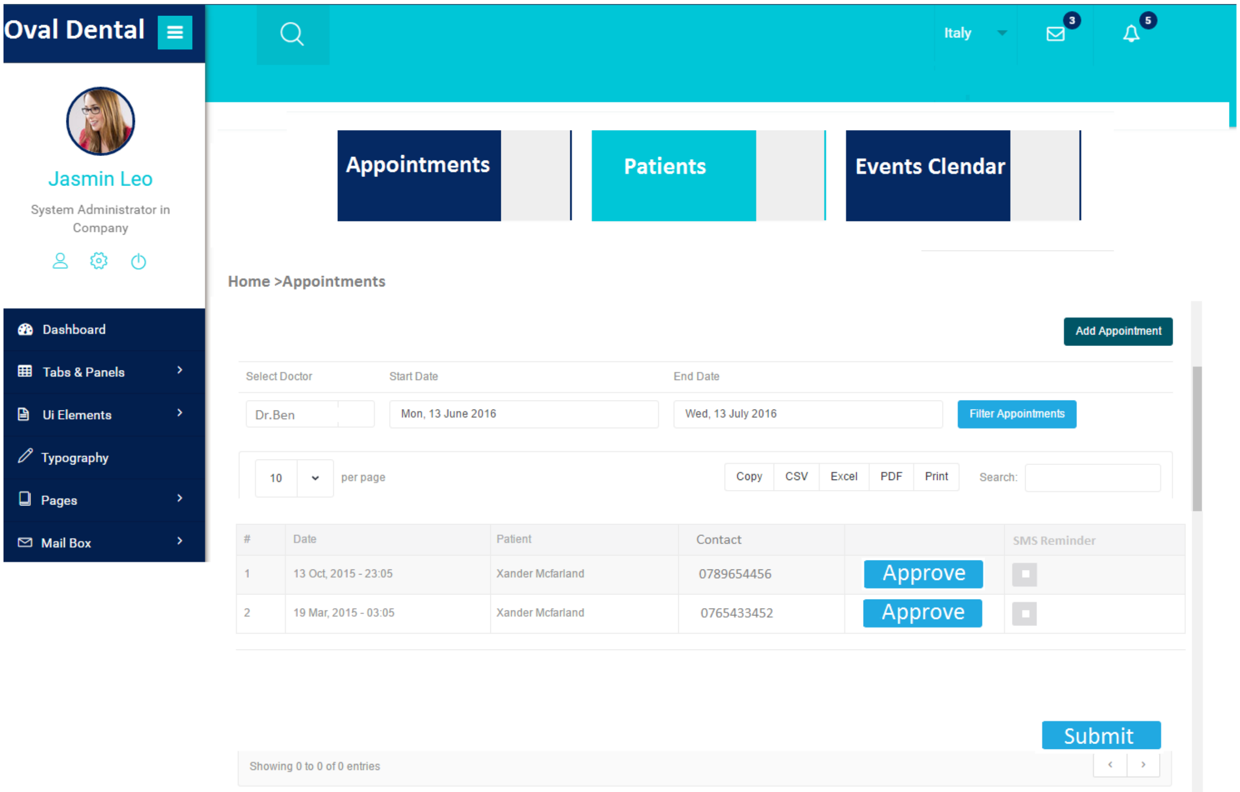




Requested Appointments

These are the appointments that result from patients calling in or booking via the website or scheduling from the front desk.

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

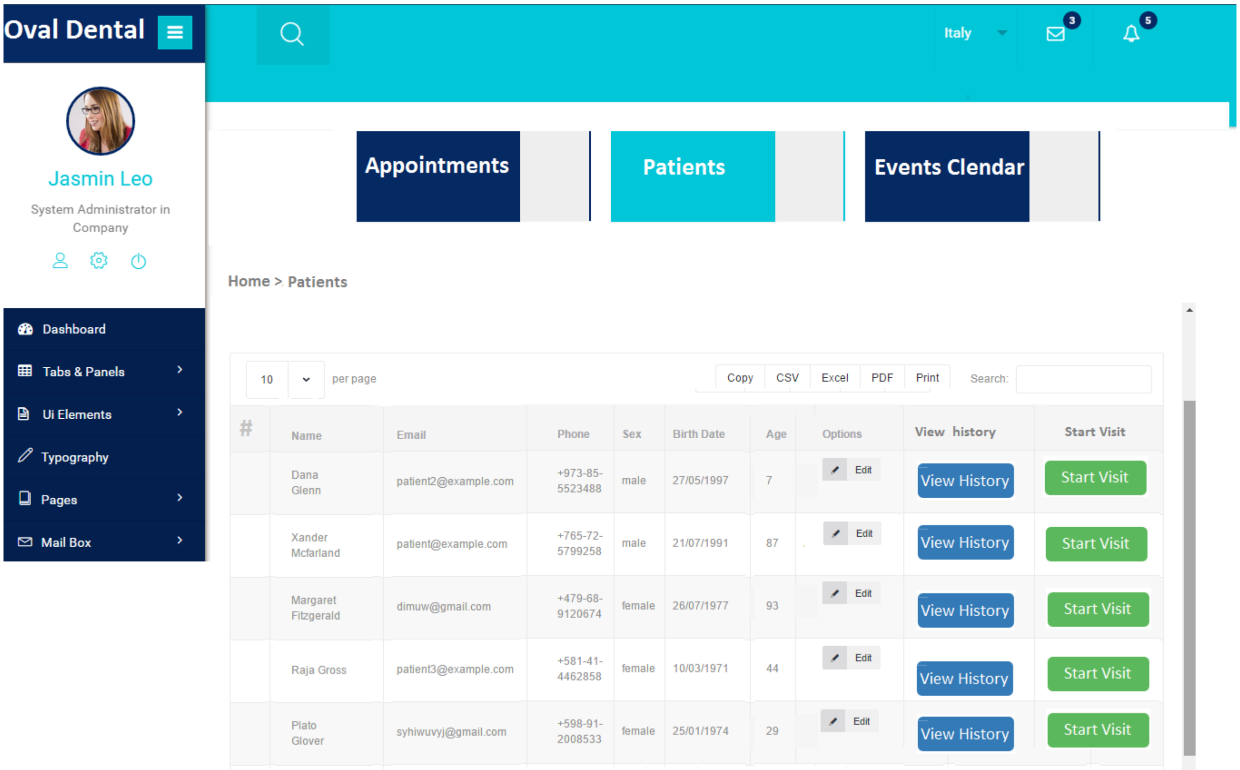


Patients on doctor s module

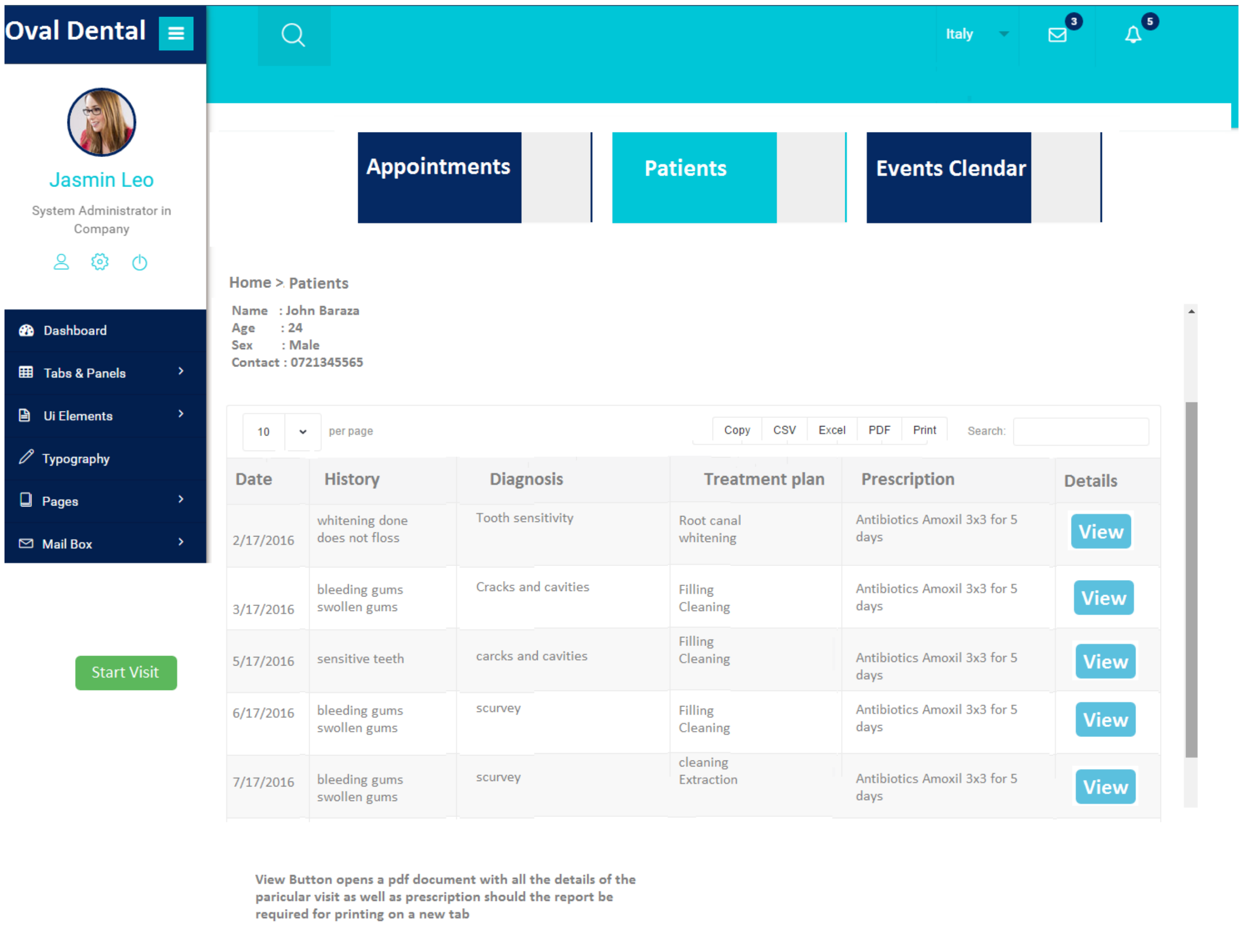
The doctor will be able to view all patients that are in the clinic with the option to **search by any known parameter.**

All doctors have access to the same patient records.

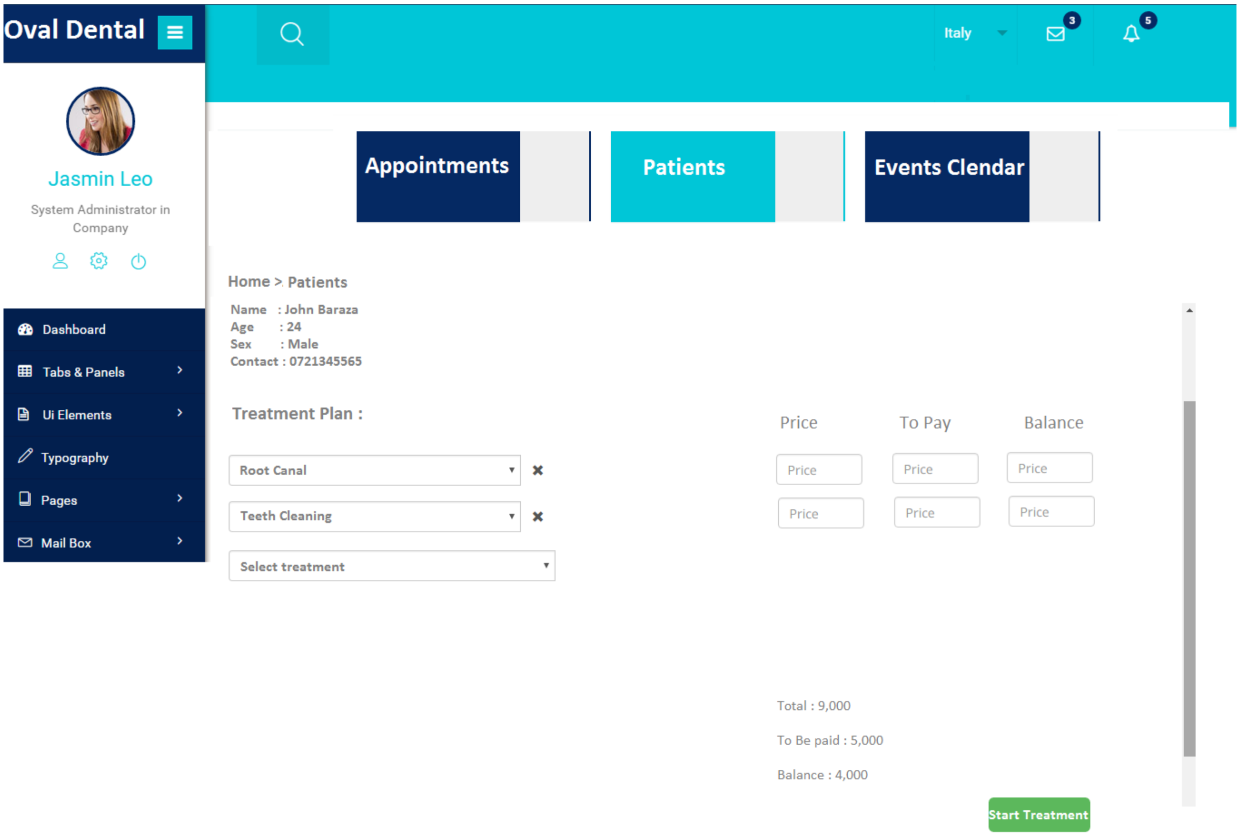
The options under each patient listing will be **start visit** and **view history**



When view history button is clicked under the patient listing the doctor is able to view the brief history, diagnosis, treatment plan and has the option to click view to **open a full record** of the above under a new tab **as PDF** that can be printed out if need be.



The start treatment module automatically starts the service time counter for the patient.



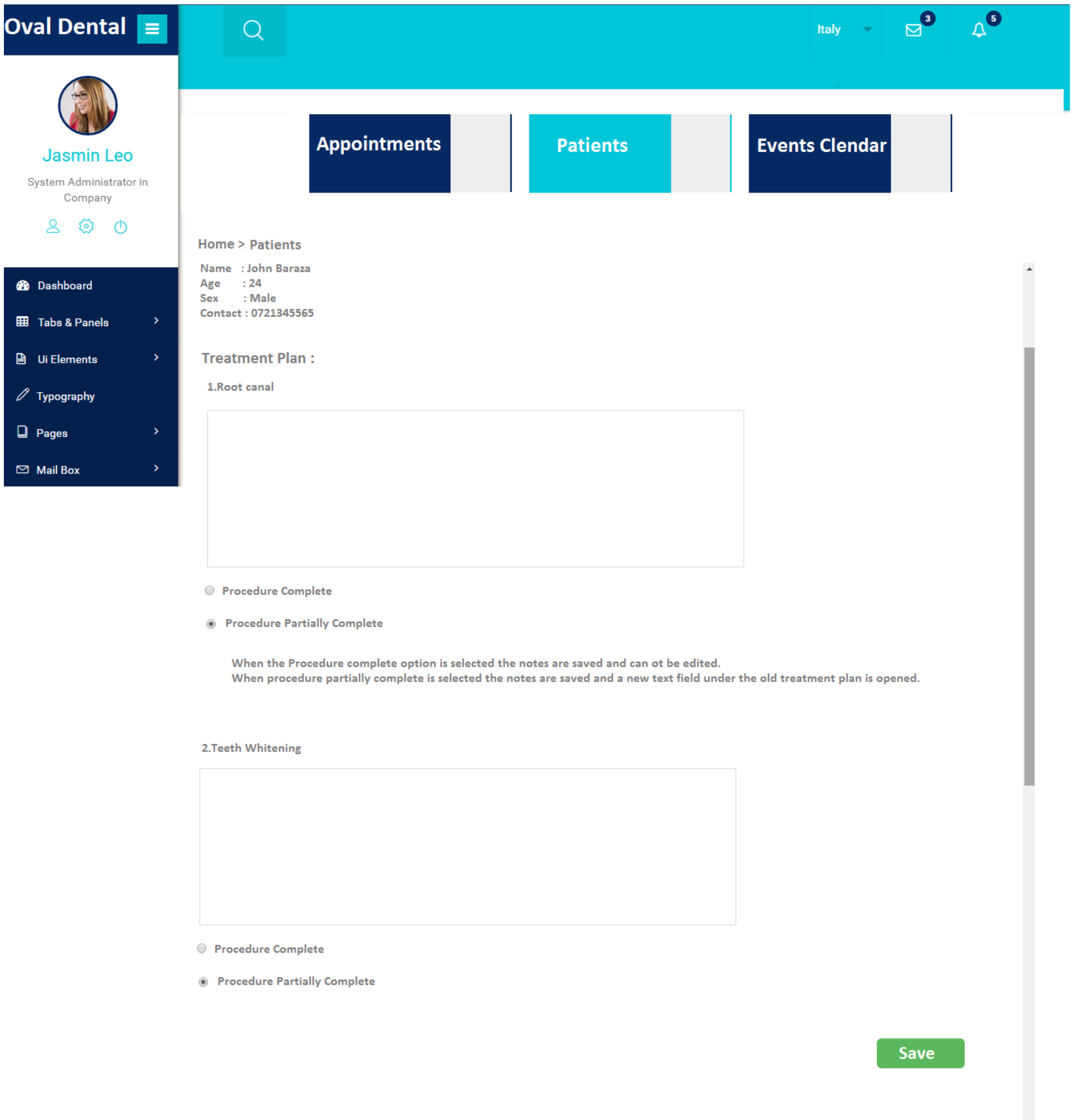
The page will contain the basic details of the patient such as name age sex and contact.

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 i**nput 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.

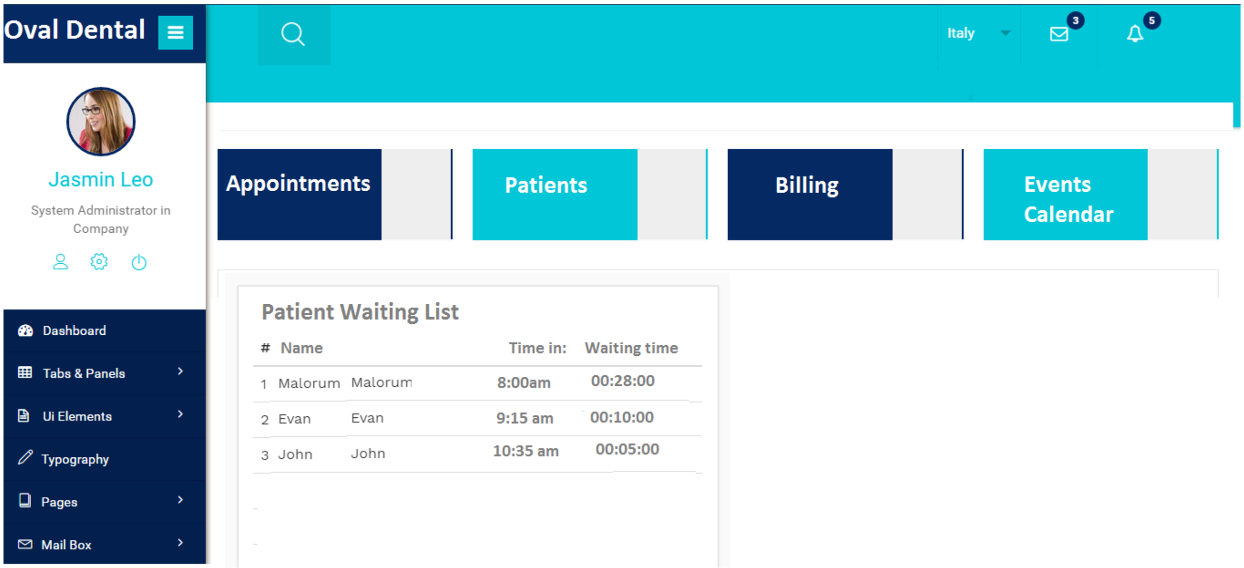
The doctor will add the notes of each procedure in the input box and when a procedure is complete the doctor will select the radio button to show that procedure is fully complete.

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.



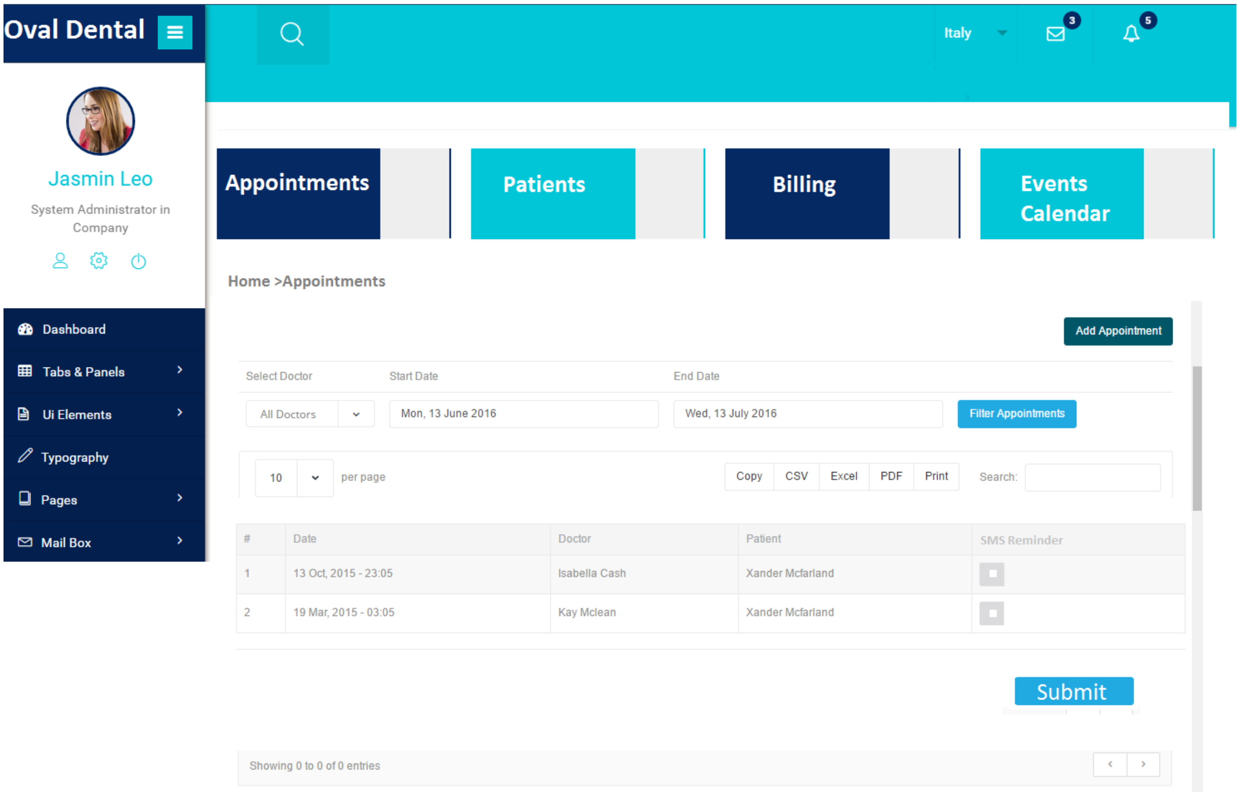
The home panel shows all patients who are currently waiting to see the doctors on the system.

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

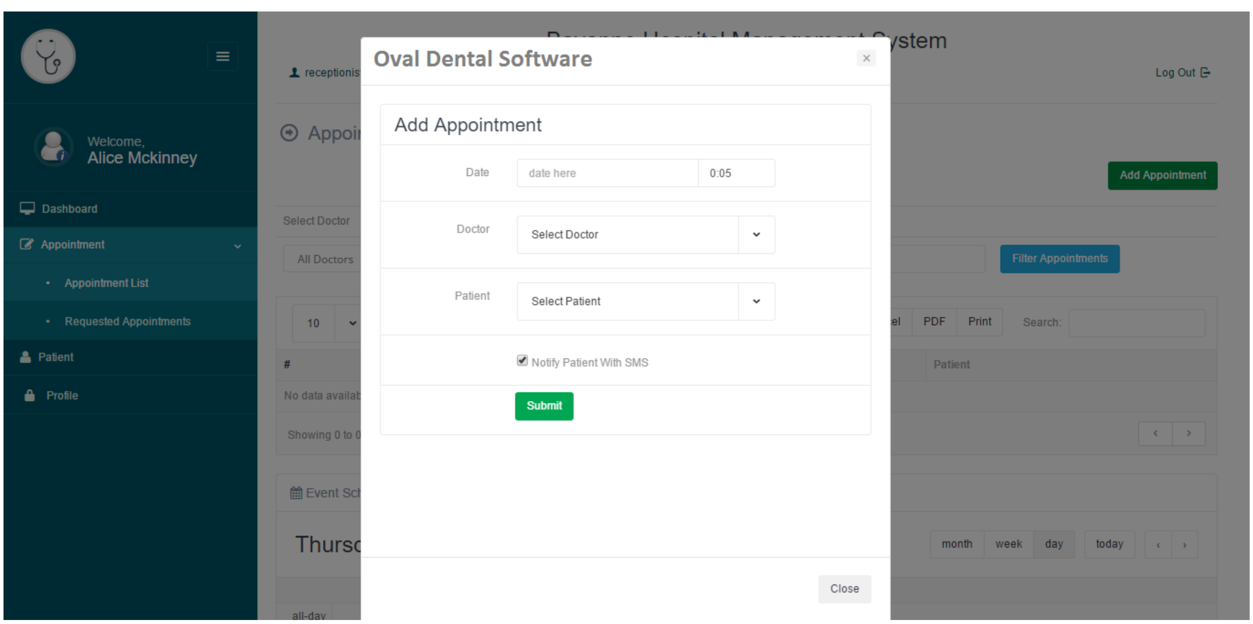
Appointments

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

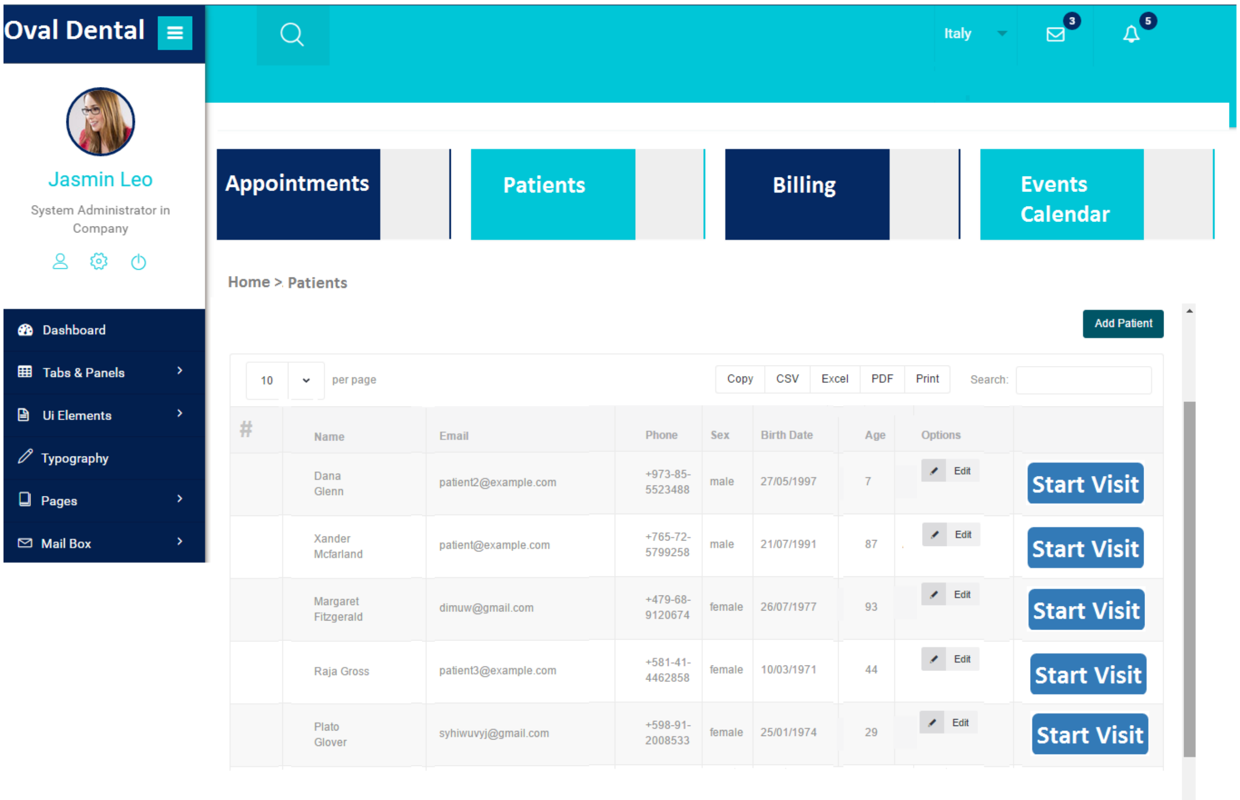
The module allows the front office receptionist to remind specific patients of their appointments.



The receptionist can add appointments that will be viewed by the doctor under requested appointments.the add appointments module will allow the receptionist to select date and time,select patient and notify the patient via sms that the appointment will be approved.



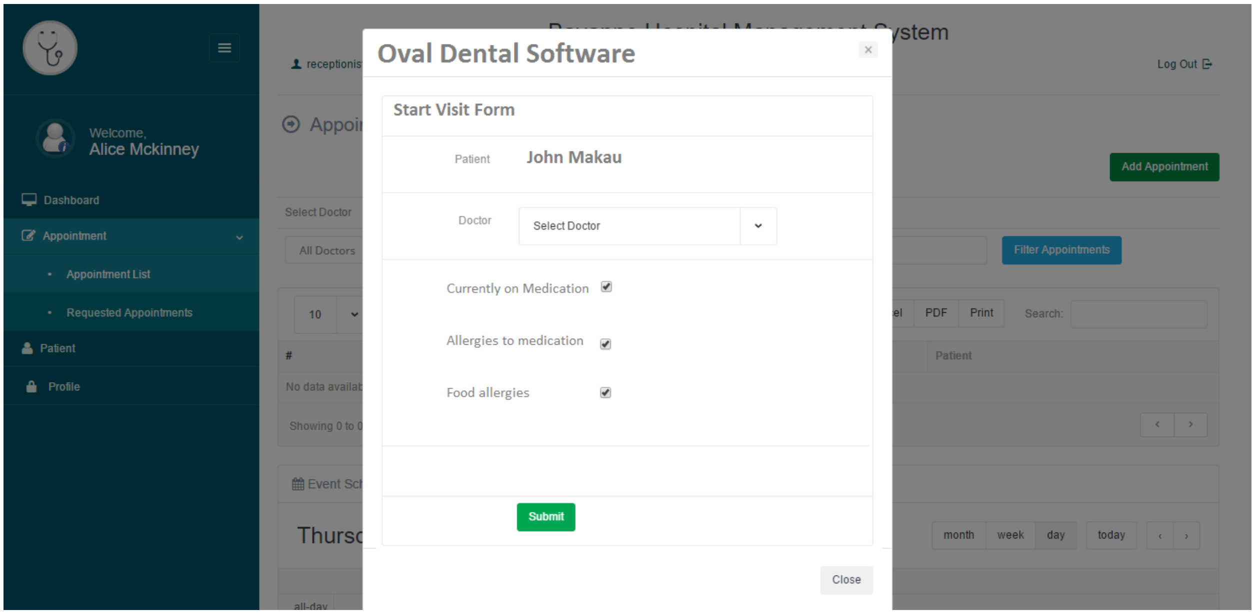
<u>**Patients Module**</u>



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.

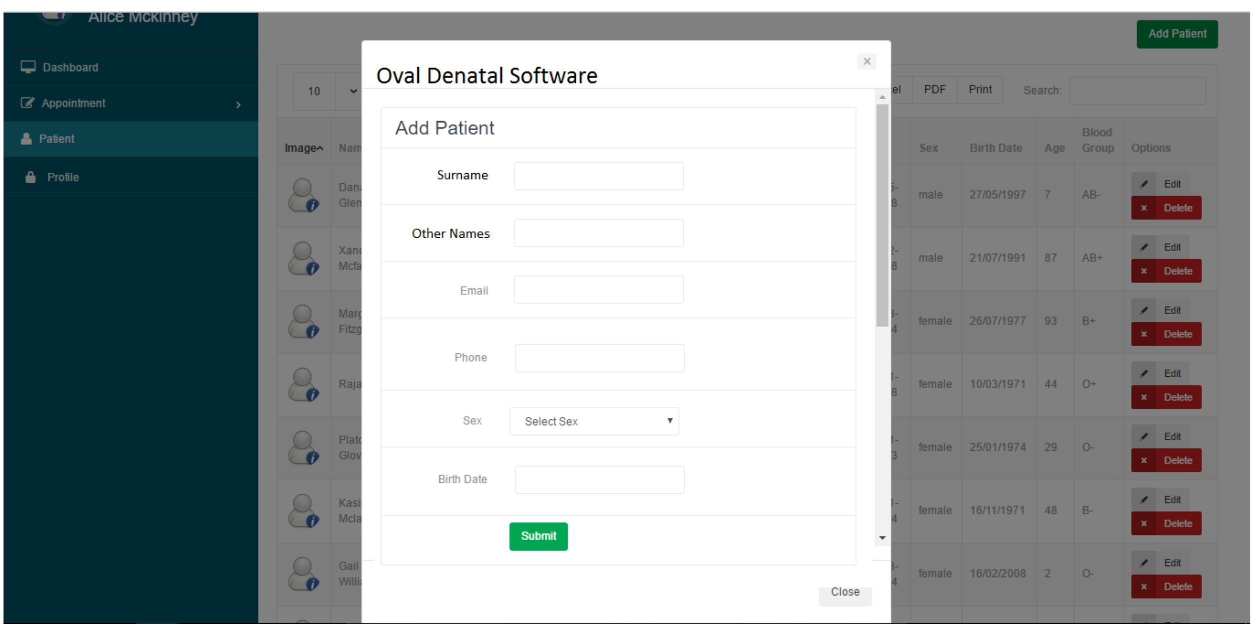
The front office receptionist can edit the basic bio details of the patient.



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.

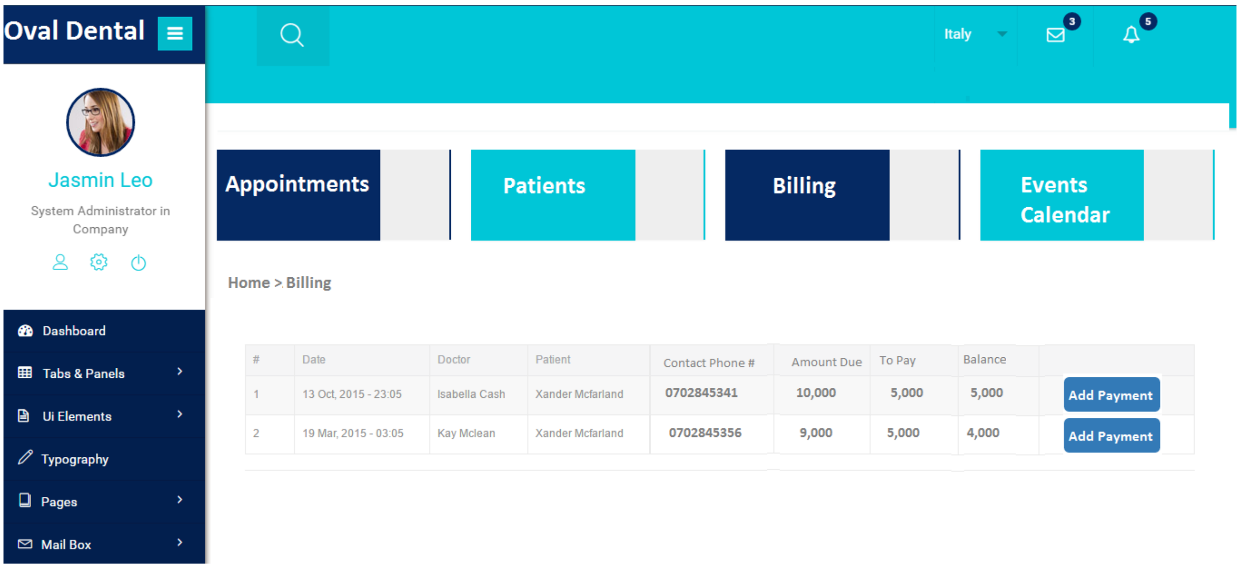


Billing Module

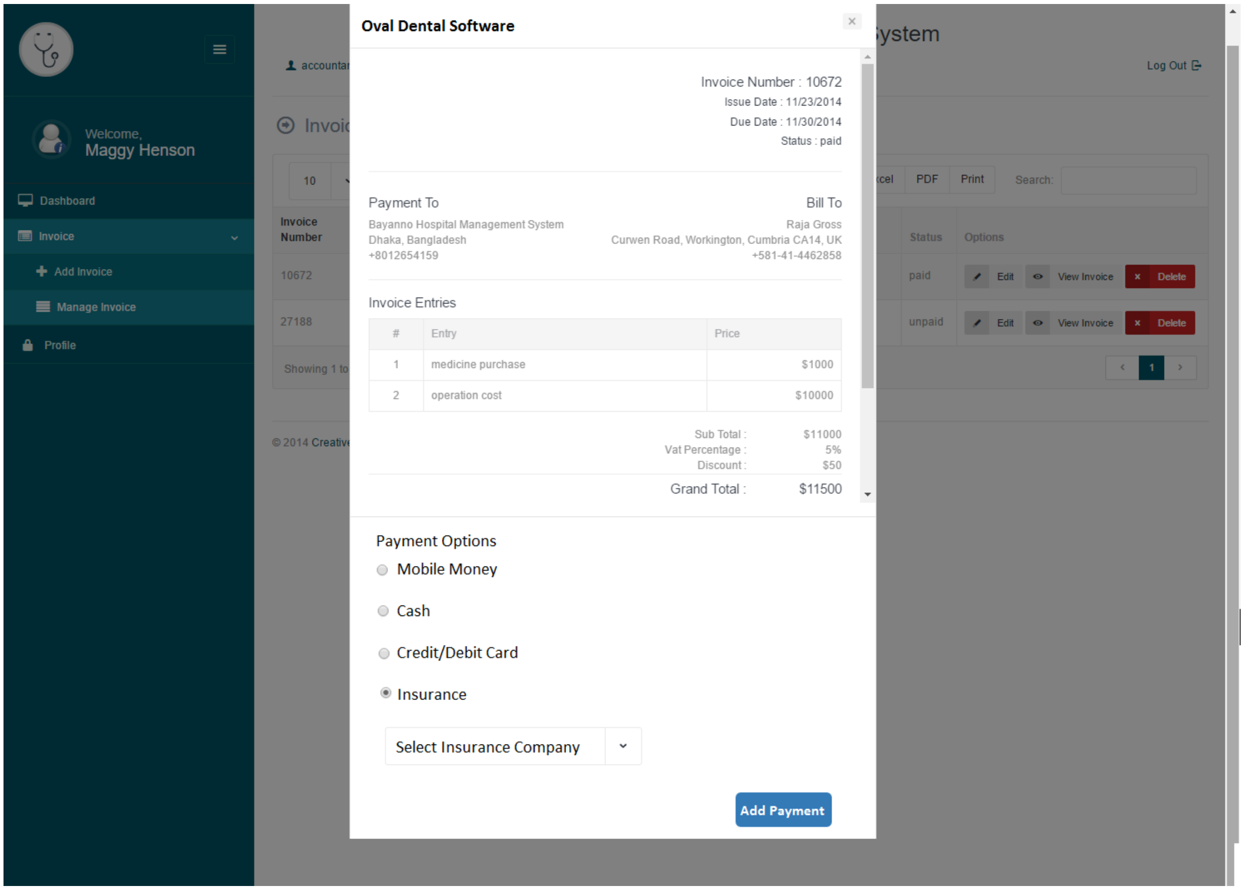
When the doctor fills the costs of a procedure under the treatment plan, including the amount that the patient will pay and submits the information, the front office receives a billing notification.

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.



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 inter 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.