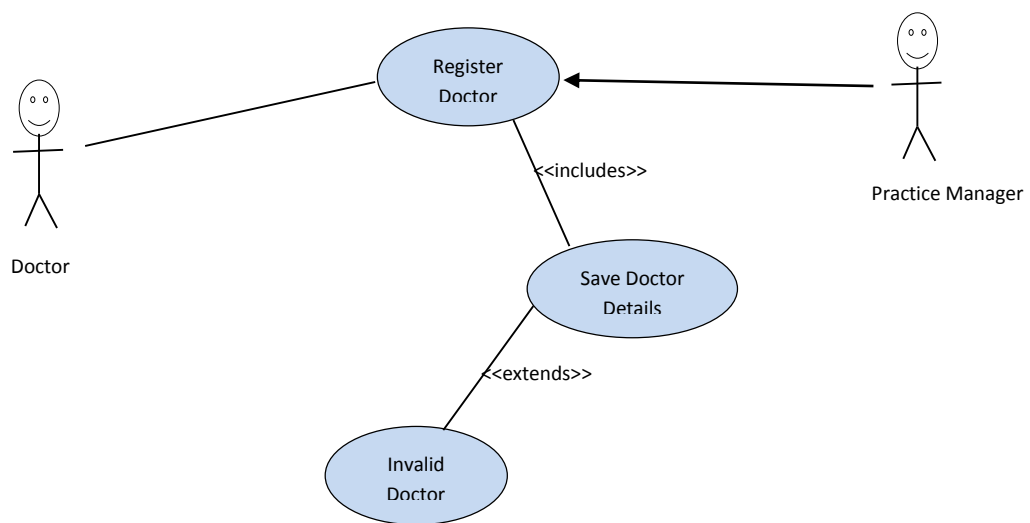


## Use Case: Register Doctor

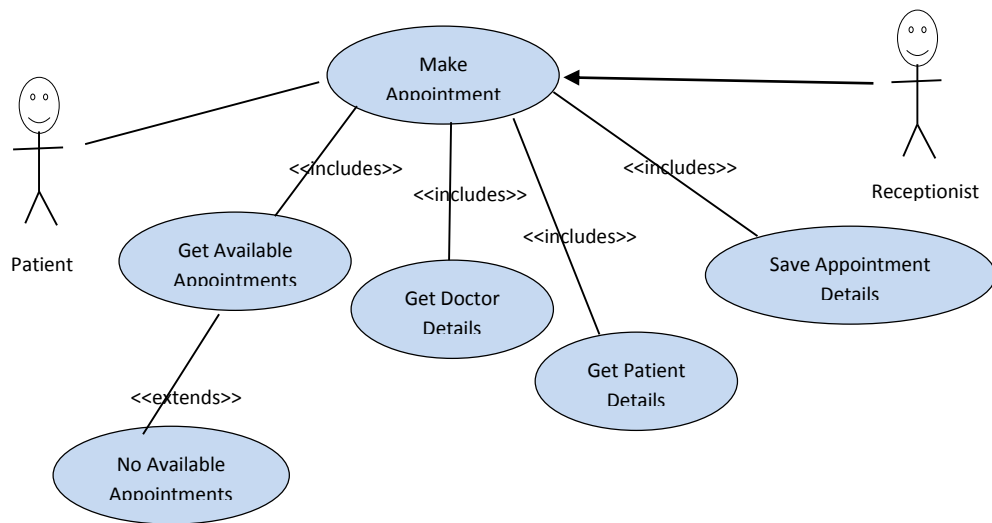


Use Case Name	<b>Register Doctor</b>	Author: CW
Use Case Id		Date: 08/10/2013
Priority	1	
Source	Practice Manager	
Primary Business Actor	Practice Manager	
Other Participating Actors	Doctor	
Description	The practice manager needs to register the details of each doctor working at the medical center so that patients can register with the doctor.	
Preconditions	Employee registration form must be completed and submitted before registration.	
Trigger		

Expected Scenario	Actor Action	System Response
	<p><b>Step 1:</b> The doctor to be registered submits a completed employee registration form to the practice manager.</p> <p><b>Step 2:</b> The practice manager commences the Doctor Registration.</p> <p><b>Step 4:</b> The practice manager enters the required details:</p> <ul style="list-style-type: none"> <li>• Surname</li> <li>• Forename</li> <li>• Address</li> <li>• Home phone</li> <li>• Mobile phone</li> <li>• email</li> </ul> <p><b>Step 5:</b> The practice manager confirms that the registration is to be completed.</p>	<p><b>Step 2:</b></p> <p><b>Step 3:</b> The Doctor_ID is determined and displayed on the user interface</p> <p><b>Step 6:</b> The details entered are validated:</p> <ul style="list-style-type: none"> <li>• All data must be provided</li> <li>• Surname, forename, address must not be numeric</li> <li>• Email format must be valid</li> </ul> <p><b>Step 8:</b> Default values are assigned:</p> <ul style="list-style-type: none"> <li>• Registration date is assigned system date.</li> <li>• Number of registered patients is set to zero.</li> <li>• Doctor status set to 'active'</li> </ul> <p><b>Step 7:</b> Doctor details are recorded in the <i>Doctor File</i>.</p> <p><b>Step 8:</b> Display a confirmation message on the UI.</p>
Alternate Scenarios		

<b>Data Validation Fails</b>		<b>Step 6:</b> Data Validation Fails  <b>Step 7:</b> Alert the practice manager - Display the appropriate error message
<b>Conclusions</b>	A new record created in the Doctor File	
<b>Post conditions</b>	Doctor is assigned a unique identifier, Doctor_ID. Patients may now be registered with the doctor. Appointments can now be made with the doctor.	
<b>Business Rules</b>		
<b>Implementation Constraints</b>		

## Use Case: Make Appointment

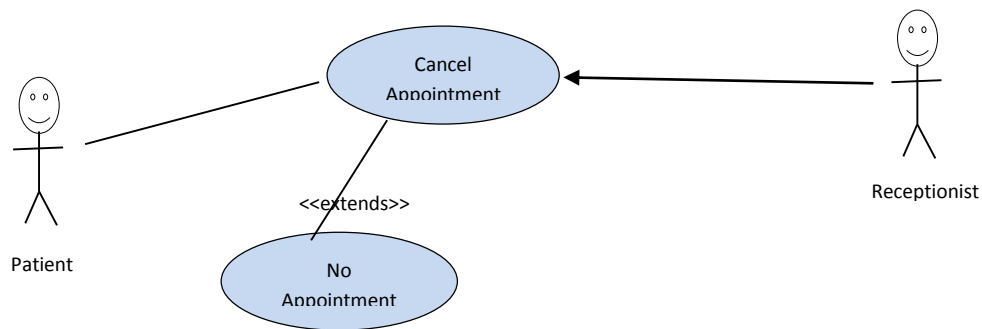


Use Case Name	Make Appointment		Author: CW
Use Case Id			Date: 10/10/2013
Priority	1		
Source	Receptionist		
Primary Business Actor	Receptionist		
Other Participating Actors	Patient		
Description	The receptionist needs to make an appointment for a patient with their doctor.		
Preconditions	Appointment has been requested by the patient. The patient must be registered with the practice.		
Trigger			
Expected Scenario	Actor Action	System Response	
	<p><b>Step 1:</b> The patient contacts the receptionist to make an appointment.</p> <p><b>Step 2:</b> The receptionists asks the patient for the patient details and appointment date.</p>	<p><b>Step 2:</b></p> <p><b>Step 3:</b> The system checks the Appointment file and displays on the UI the available/unavailable</p>	

	<p><b>Step 4:</b> The receptionist selects the desired appointment time and confirms that the appointment is to be made.</p>	<p>appointments for the doctor with whom the patient is registered on that date.</p> <p><b>Step 5:</b> The appointment details are recorded in the <i>Appointment File</i>.</p> <p><b>Step 6:</b> A confirmation message is displayed on the UI.</p>
<b>Alternate Scenarios</b>		
<b>Data Validation Fails</b>	<p><b>Step 5:</b> The patient indicates that they wish make the appointment with another doctor</p> <p><b>Step 7:</b> The receptionist selects the desired appointment time and confirms that the appointment is to be made.</p>	<p><b>Step 3:</b> There are no available appointments on the chosen date.</p> <p><b>Step 4:</b> Alert the receptionist and determine if the patient wishes to</p> <ul style="list-style-type: none"> <li>• see another doctor at the practice</li> <li>• make appointment for another date</li> </ul> <p><b>Step 6:</b> The system checks the Appointment file and displays on the UI the available/unavailable appointments for all doctors on that date.</p> <p><b>Step 8:</b> The appointment details are recorded in the <i>Appointment File</i>.</p> <p><b>Step 9:</b> A confirmation message is displayed on the UI.</p>
<b>Conclusions</b>	A new record created in the Appointment File	
<b>Post conditions</b>	Each appointment is assigned a unique identifier, Appt_ID.	

<b>Business Rules</b>	If there are no available appointments with the patient's doctor, then the appointment may be made with another doctor at the practice.
<b>Implementation Constraints</b>	

## Use Case: Cancel Appointment



Use Case Name	Cancel Appointment	Author: CW
Use Case Id		Date: 14/10/2013
Priority	1	
Source	Receptionist	
Primary Business Actor	Receptionist	
Other Participating Actors	Patient	
Description	The receptionist needs to cancel an appointment for a patient.	
Preconditions	Appointment has been previously made. The patient requests that the appointment is cancelled.	
Trigger		
Expected Scenario	Actor Action	System Response
	<p><b>Step 1:</b> The patient contacts the receptionist to cancel an appointment.</p> <p><b>Step 2:</b> The receptionists asks the patient for the patient details and appointment date.</p>	<p><b>Step 2:</b></p> <p><b>Step 3:</b> The system retrieves the appointment details (from the Appointments file, patient file and Doctor file) and displays the details on the UI :</p> <ul style="list-style-type: none"><li>• <b>Date/Time</b></li><li>• <b>Doctor details</b></li><li>• <b>Patient details</b></li></ul>

	<p><b>Step 4:</b> The receptionist confirms that the appointment is to be cancelled.</p>	<p><b>Step 5:</b> The appointment details are removed from the <i>Appointments File</i>.</p> <p><b>Step 6:</b> A confirmation message is displayed on the UI.</p>
<b>Alternate Scenarios</b>		
<b>Data Validation Fails</b>		<p><b>Step 3:</b> The appointment details cannot be found.</p> <p><b>Step 4:</b> Alert the receptionist – display an appropriate message</p>
<b>Conclusions</b>	A record is removed from the Appointments File	
<b>Post conditions</b>		
<b>Business Rules</b>	Appointment may not be cancelled if appointment date/time has lapsed.	
<b>Implementation Constraints</b>		



## Activity Diagram: Cancel Appointment

