

Multithreading

Sr. No.	Assignment Question
1.	<p>Overview Group of Enterprises wants to enhance the thoughts and experience of the audience and speakers attending the high profile events of IT Leadership summits.</p> <p>Overview Group of Enterprises feels that the networking and the interaction between the attendees is not up to the mark because of which these conferences are not attended by many people. Therefore, in order to increase the attendee excitement and attendance, Overview Group of Enterprises has partnered with Key Solution Software Limited to develop an application that will deploy event information to all its members. This, in turn, will benefit the event organizers. The event information that is distributed via mobile phones, will notify the audience about the date, venue and the title of discussion.</p> <p>As a person responsible for developing the program, you will need to create a multithreaded application using C# and .NET that displays five messages sequentially. Thus, you need to:</p> <ol style="list-style-type: none"> 1. Create threads that display these messages. Each message should show details like date, venue and title of the conference. These messages should be displayed one after the other. 2. Using the properties of the threads, <ul style="list-style-type: none"> Ø Change the location of the meeting and notify the same to all the members. Ø Change the subject of discussion and notify the same to all the members. Ø Notify the audience about other competitions to boost their confidence.
2.	<p>One of the discouraging issues during the medical treatment of a patient is that he/she does not follow the medication instructions properly. Research proves that more than 75% of the people are reluctant to follow these instructions once they are out of a hospital or clinic.</p> <p>This frustrating effect initiated Afee Software Ltd, to plant a seed for a new business idea. The company came up with an application that sends reminders to all their patients through mobile phones. This application links pharmacists, physicians and patients and uses mobile phones as its delivery medium. The reminders are sent in the form of short message service (SMS) or text messages.</p> <p>As a member of Afee Software Ltd's software development team, you will create a .NET based C# application and use threads and their priorities to develop a multithreaded application.</p> <ol style="list-style-type: none"> 1. Create threads that represent five patients suffering from different ailments. The threads should display <ul style="list-style-type: none"> Ø Patient's name Ø Doctor's name Ø Medicines name Ø Dosage of the medicine

	<ul style="list-style-type: none">Ø Time of the medicineØ Next visit <p>2. Create another set of threads that represent mobile numbers of these patients. These threads should call the methods mentioned above.</p> <p>In this application, the method that indicates the time of the medicine is significant and a counter variable is set against it. Every time, the count reaches zero, a particular mobile number method is called and reminder is displayed.</p>
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