

# CS411 Current Final Term Papers Spring 2014 & Past Final Term Papers at One Place from 22 August to 02 September 2014

My today paper was

40 MCQ's they ziyada tar Blocking , locbaml and data binding may say they  
short and long questions yah they

what is difference between hover() and toggle()? (2 marks)

Core Locations Framework contains which types of classes ? (2 Marks)

can Operating System distinguish between window contain WPF and window Contain Win32?  
(2 Marks)

when we preferred BeginInvoke instead of Invoke method? (2 Marks)

what is difference between server Side programming and Client Side Programming ? (3 Marks)

define iOS feature of Block and also provide its syntax ? (3 Marks)

define Term "View" and also write name of items that are supported by it ? (3 Marks)

name of Touch Events only three ? (3 Marks)

write a not on Retain count and also its working and usage? (5 Marks)

define in detail modes of data binding (5 marks)

ek code tha us ki output btani the localization may say tha ? (5 Marks)

ek case the kay ek admin nay online order bucking kawani hay magr usay nahe pta kay kitnay  
items ho gay tou us ko veriable kay name assign kary may problem ho rahe hay java Script kay  
according is problem ka souldion btay (5 Marks)

## SOLUTION OF ABOVE PAPER:

**what is difference between hover() and toggle()? (2 marks)**

*Difference b/w hover() and toggle() is that toggle() works by clicking it on and off whereas  
hover() works just by positioning the mouse over it.*

**Core Locations Framework contains which types of classes ? (2 Marks)**

**can Operating System distinguish between window contain WPF and window Contain  
Win32? (2 Marks)**

**when we preferred BeginInvoke instead of Invoke method? (2 Marks)**

*there are times when you want to invoke a delegate and wait for its execution to complete before the current thread continues. In those cases the Invoke call is what you want.*

*In multi-threading applications, you may not want a thread to wait on a delegate to finish execution, especially if that delegate performs I/O (which could make the delegate and your thread block). In those cases the BeginInvoke would be useful.*

**what is difference between server Side programming and Client Side Programming ? (3 Marks)**

*Server-side programming, is the general name for the kinds of programs which are run on the Server.*

**Uses**

- *Process user input.*
- *Display pages.*
- *Structure web applications.*
- *Interact with permanent storage (SQL, files).*

*Much like the server-side, Client-side programming is the name for all of the programs which are run on the Client.*

**Uses**

- *Make interactive webpages.*
- *Make stuff happen dynamically on the web page.*
- *Interact with temporary storage, and local storage (Cookies, localStorage).*
- *Send requests to the server, and retrieve data from it.*
- *Provide a remote service for client-side applications, such as software registration, content delivery, or remote multi-player gaming.*

*Also check [here](#) for more detail*

**Define iOS feature of Block and also provide its syntax ? (3 Marks)**

*Blocks are a new feature that was introduced in iOS 4.0 and Mac OSX 10.6. Blocks can greatly simplify code. They can help you reduce code, reduce dependency on delegates, and write cleaner, more readable code.*

*A Block is a chunk of code that can be executed at some future time.*

*Blocks are **first-class functions**, which is a fancy way of saying that Blocks are regular Objective-C objects. Since they're objects, they can be passed as parameters, returned from methods and functions, and assigned to variables.*

*Syntax: return\_type (^block\_name)(param\_type, param\_type, ...)*

**define Term "View" and also write name of items that are supported by it ? (3 Marks)**

**name of Touch Events only three ? (3 Marks)**

*ontouchdown(e)*

*capturetouch(e)*

*ontouchmove(e)*

**write a not on Retain count and also its working and usage? (5 Marks)**

"Retain count rules. Init, new, copy in name. Assume you own. Any other means. Assume in autorelease. If you dont own and want to make sure, call retain. No longer need and own than release or autorelease. When 0 count, dealloc called." - Direct from handbook, I have no idea what it means.

**define in detail modes of data binding (5 marks)**

Binding Modes:

- One-Way
- Two-Way
- OneWayToSource
- OneTime

One way : The target is updated whenever the source changes.

Two-Way Binding means change to either the target or source updates the other

OneWayToSource is the opposite of One-Way binding. the source is changed whenever the target changes.

One-Time binding is like one-way except changes to the source are not reflected at the target.

The target retains a snapshot of the source at the time the Binding is initiated.

**ek code tha us ki output btani the localization may say tha ? (5 Marks)**

**ek case the kay ek admin nay online order bucking kawani hay magr usay nahe pta kay kitnay items ho gay tou us ko veriable kay name assign kary may problem ho rahe hay java Script kay according is problem ka souldion btay (5 Marks)**

=====

1---The dimension of the given array is

```
Int[][]matrix=new int[][]
```

```
{ new int[]{0,1,2}
```

```
  New int[]{3,4,5}
```

```
  New int[]{6,7,8,9}
```

```
};
```

3by 2

1by 9

3 by 3

2 by 3

2-----which of the following response show internal server error

404

**500**

200

304

3-----which of the following response show file not found error

404

500

200

304

4---interact with web page layout

*Java script*

**HTML**

*XML*

*DOM*

5---which of the following technologies is not used in AJAX

*DOM*

*DHTML*

**Flash(I think)**

*Css*

6---in Xaml browser application ,how much isolated memory we can use?

*256kb*

*128*

**512**

*1024*

-----*subjective*-----

1---**what are the other names of “java script”?**/2 marks

ECMAScript, Jscript(not confirmed)

2---**Define the term “ios application bundle”** /2 marks

"a bundle is a [directory](#) that allows related resources such as an application's executable and its graphics to be grouped together, appearing as a single file to the user." - Wikipedia

3---**Can the operating system distinguish between windows with WPF contents and windows with Win32 contents** /2

Yes, we can even create Host WPF content in a Win32 window. and vice versa.

4---**As we know that ICollectionView has a property called “filter” which provides the facility for selective removal of items based on an arbitrary condition.this property is also known as Predicate<Object>type.What is meant by this Predicate<Object.type? /2**

Filtering gives a property Filter of type Predicate<Object>.

5---**what will be the efficient way of applying the same style on all paragraphs of HTML page?also provide an example** //3

A technique is to collect all our CSS rules in one place, a style sheet, and then apply the style sheet to every single element on the page. An embedded style sheet affects every element on the page. In order to create an embedded style sheet, we need to go to the `head` of the document.

```

/><span>html>
/><span>head>
  /><span>title>Hello World</title>
  /><span>style type="text/css">
    p { color: #008000; background: #ffff00 }
  </style>
</head>
/><span>body>
  /><span>h1>Hello World</h1>
</body>

```

**6---which property tells the location manager about how accurate the location finding should be?and why the accuracy is important? /3**

```
[locationmanager setdesiredaccuracy:kCLLocationAccuracyBest];
```

**7---we know that whatever we bind to a collection (anything that implements IEnumerable,a default view is implicitly inserted between the source and target objects.you are required to define the term “view’ and also the names of the items which are supported by it.. /3**

*Can anyone please solve this I am having trouble understanding this.*

**8---how can you refresh the current page in WPF Navigation based application? /3**

```
This.navigationService.Refresh();
```

**9---Tasks using objective C**

- **Create location manager object**
- **Apply accuracy filter on location manager object created in first step**
- **Tell the manager to start looking for its location immediately**

```
// Create location manager object Locationmanager= [[CLLocationManager alloc] init];
```

```
// We want all results from the location manager [locationmanager
setdistancefilter:kCLLocationFilterNone];
```

```
// And we want it to be as accurate as possible // regardless of how much time/power it takes
[locationmanager setdesiredaccuracy:kCLLocationAccuracyBest];
```

```
// Tell our manager to start looking for its location immediately [locationmanager
startUpdatingLocation];
```

Goto lecture # 41

**10---consider the following code lines and explain what are we trying to achieve from them /5**

```
Msbuild/t:updateuid Projectname.csproj
```

```
locBaml/parse Projectname.g.en-US .resources/out.en-US.csv
```

**11---wriing an XAML code to create a “grid panel” having two buttons/5**

=====

**we know that whatever we bind to a collection (anything that implements IEnumerable, a default view is implicitly inserted between the source and target objects. you are required to define the term “view’ and also the names of the items which are supported by it.. /3**

View" refers to things which are displayed to a user and UIview elements are supported by it.

A collection view supports features in WPF:

- Navigation
- Filtering
- sorting
- Grouping

---

11---writing an XAML code to create a “grid panel” having two buttons/5

```
<!-- Define one row: -->
<Grid.RowDefinitions>
<RowDefinition/>
</Grid.RowDefinitions>
<!-- Define two columns: -->
<Grid.ColumnDefinitions>
<ColumnDefinition/>
<ColumnDefinition/>
</Grid.ColumnDefinitions>
<!-- Arrange the children: -->
<Button Grid.Row="0" Grid.Column="0">FirstButton</Button>
<Button Grid.Row="0" Grid.Column="1">2ndButton</Button>
</Grid>
```

---

**Final Paper of CS411**

**Date:- 28/08/2014**

Question 01 );M Separate server side language and Client side language.(3M)JS(Java Script),Cold Fusion, PHP, ASP.net

Question 02):- iOS Wfiiwzlcation was give in Question. where we were asked about the type of touch event's?

Questimi 03):- Differentiate b/W XIB and NIB.(2MarkS)

Question 04):: When using nexrigatign in ent is typically organized in which elements‘?

Question 05):-W15IMarnwg nfthre'ba&i3 touch events.(3MaH<-s)

Question (>6);;WQ which code line We have created 2resources.(5Marks)

```
<resourç;eInclude = "images\VU1.jpg"\>  
<Conteli‘tInclude = "images§VI I2.jpg"\>
```

Question 07):- Explain Model-View-ControllerPattern" in the context of iOS programming. Also give examples.(5Marks)

=====

1. Differentiate between “navigation windows” or “frame” navigation container? (3 marks)
2. Suppose is a node (not sure) write java script in which when mouse is moved...
3. Tasks using objective CCreate location manager objectApply accur...
4. Suppose a thread is defined like:-  
Thread task = new Thread( );  
What will following statements do:-
  1. Task.start ( )
  2. Task.join ( )
  3. Task.sleep(200)
5. What is the purpose of using Navigation in Pages? (5 marks)
6. Suppose a UIelement is compatible with tree structure of menu th...
7. Write two design goals of JQuery? (3 marks)
8. In iOS there is a feature ‘Block’ tell it is equivalent to which...
9. Define Threads? (2 marks)
10. Which type of pages are implicitly hosted in Navigation Window?...
11. Write statement how we can initialize a task (2 marks)

=====

**1. Differentiate between “navigation windows” or “frame” navigation container? (3 marks)**

2. Suppose <a> is a node (not sure) write java script in which when mouse is moved over hyperlink then a message is shown and when it is clicked a different message is shown?
3. Tasks using objective C Create location manager object Apply accuracy filter on location manager object created in first step tell the manager to start looking for its location immediately? (5 marks)
4. Suppose a thread is defined like:-  
Thread task = new Thread( );  
What will following statements do:-
  1. Task.start ( )
  2. Task.join ( )
  3. Task.sleep(200)
5. What is the purpose of using Navigation in Pages? (5 marks)
6. Suppose a Uelement is compatible with tree structure of menu then which data template will be used and how many?
7. Write two design goals of JQuery? (3 marks)
8. In iOS there is a feature 'Block' tell it is equivalent to which feature of other high level languages?(2 marks)
9. Define Threads? (2 marks)
10. Which type of pages are implicitly hosted in Navigation Window? (2 marks)
11. Write statement how we can initialize a task (2 marks)

I mean aap ka paper hai y, so aap ko idea ho ga na,..... please agar kisi ko idea hai to con4m kar dain

1. Differentiate between “navigation windows” or “frame” navigation container? (3 marks)

**a NavigationWindow** or a Frame. They provide support for navigating, a history journal, and nav related events. NavigationWindow more like a top-level window whereas Frame more like an HTML frame or

iframe By default navWind has a bar on top with back/fwd, frame doesnt but can be shown.

A Page can interact with its **navigation container** by using the NavigationService class, which exposes relevant

functionality regardless of whether the container is a NavigationWindow or a Frame. You can get an instance of

NavigationService by calling the static NavigationService.GetNavigationService method and passing the instance of

the Page. But even more easily, you can simply use Pages.NavigationService property.

1. 2. **Suppose <a> is a node (not sure) write java script in which when mouse is moved over hyperlink then a message is shown and when it is clicked a different message is shown?**

1. 3. **Tasks using objective C Create location manager object Apply accuracy filter on location manager object created in first step tell the manager to start looking for its location immediately? (5 marks)**

**Tasks using objective C**

- **Create location manager object**
- **Apply accuracy filter on location manager object created in first step**
- **Tell the manager to start looking for its location immediately**

```
// Create location manager object Locationmanager= [[CLLocationManager alloc] init];
```

```
// We want all results from the location manager [locationmanager  
setDistanceFilter:kCLLocationDistanceNone];
```

```
// And we want it to be as accurate as possible // regardless of how much time/power it takes  
[locationmanager setDesiredAccuracy:kCLLocationAccuracyBest];
```

```
// Tell our manager to start looking for its location immediately [locationmanager  
startUpdatingLocation];
```

Goto lecture # 41

**Suppose a thread is defined like:-**

```
Thread task = new Thread( );
```

**What will following statements do:-**

1. **1. Task.start ( )**

**To start a new task**

1. **2. Task.join ( )**

**Join and Sleep. a thread is “blocked” when waiting. task.wait is like Join. Task has generic subclass Task;TReturn;. task.Result blocks**

1. **3. Task.sleep(200)**

**Here task will b carried out after 2 second**

**As syntax,.....Thread.Sleep (TimeSpan.FromHours (1));**

1. **4. What is the purpose of using Navigation in Pages? (5 marks)**

The purpose of the Navigation Button is to let the user navigate to a new page in one easy click. Users stay longer and view more pages on your site if it is easy to navigate. Navigation buttons that are small in size look better than text links and help to enhance your pages.

To enable the website user to navigate through the web pages of a site.

The purpose of Navigation Bar is to give direction to the audience. It enables the website users to navigate through the web pages of sites. Navigation bars provide an easy and visually interesting way for visitors to your site to navigate between the site's main sections. A navigation bar often extends along the top or side of a Web page and includes text, images, or animations, displayed as buttons that link to other sections or pages in the site.

1. **5. Suppose a UIElement is compatible with tree structure of menu then which data template will be used and how many?**

**With Data Template, UI auto-applied to arbitrary .net object when it is rendered. by setting these prop. you can**

**swap in a complete new visual tree easy in xaml, cumbersome in proc. code try with photo gallery ,.....needs hierarchical data template if you want to bind to xml tree.**

UIElement is the base class for all 2D visual objects with support for routed events, command binding, layout, and

focus. These features are discussed in Chapter 5, "Layout with Panels," and Chapter 6, "Input Events: Keyboard,

Mouse, Stylus, and Multi-Touc." of the book.

UIElement3D is the base class for all 3D visual objects with support for routed events, command binding, and focus, a . All the elements involved in the layout process derive from System.Windows.UIElement. UIElements have RenderTransformOrigin. All uielements have ClipToBounds. Controls

. there is also HierarchicalDataTemplate that understands hierarchies. can be used with Treeview or menu.

1 <ListBox x:Name="pictureBox"

2 ItemsSource="{Binding Source={StaticResource photos}}" >

3 <ListBox.ItemTemplate >

4 <DataTemplate >

5 <Image Source="{Binding Path=FullPath}" Height="35"/>

6 </DataTemplate >

7 </ListBox.ItemTemplate >

8

9 </ListBox >

1. 6. Write two design goals of JQuery? (3 marks)

1. 7. In iOS there is a feature 'Block' tell it is equivalent to which feature of other high level languages?(2 marks)

*Blocks are a new feature that was introduced in iOS 4.0 and Mac OSX 10.6. Blocks can greatly simplify code. They can help you reduce code, reduce dependency on delegates, and write cleaner, more readable code.*

*A Block is a chunk of code that can be executed at some future time.*

*Blocks are **first-class functions**, which is a fancy way of saying that Blocks are regular Objective-C objects. Since they're objects, they can be passed as parameters, returned from methods and functions, and assigned to variables.*

*Syntax: return\_type (^block\_name)(param\_type, param\_type, ...)*

1. 8. Define Threads? (2 marks)

### Threads

a thread is pre-empted because of time slicing. a threads IsAlive=true once starts and until ends. Name

property, Thread.CurrentThread is the currently executing thread.

Join and Sleep. a thread is "blocked" when waiting. can use ThreadState property.

Passing Data to Threads. use lambda expression (easiest) or use object param.

There are IsBackground and Priority properties. signaling between threads using a ManualResetEvent (simplest).

1. 9. Which type of pages are implicitly hosted in Navigation Window? (2 marks)

### Pages hosted in NavigationWindow or a Frame.

With nav, content is usually in "Page" a simpler version of

Window. Then hosted in a NavigationWindow or a Frame. They provide support for navigating, a history journal,

and nav related events. NavigationWindow more like a top-level window whereas Frame more like an HTML frame or

iframe By default navWind has a bar on top with back/fwd, frame doesnt but can be shown.

1. **10. Write statement how we can initialize a task (2 marks)**

The Task class also provides constructors that initialize the task but that do not schedule it for execution. For performance reasons, the task factory's **StartNew** method should be the preferred mechanism for creating and scheduling computational tasks, but for scenarios where creation and scheduling must be separated, the constructors may be used, and the task's **Start** method may then be used to schedule the task for execution at a later time.

=====

Mcqs ki options identical lgti thi mostly much confusing.. mcqs krty krty mujhy sara current b bhol gya..:-(  
new questions.

1. how can we perform a window from automatically being activated when it is first shown?
2. in c objective a message is always contained square brackets within the pair of these square brackets a message has three parts. you are required to write names of three parts of message also give explain them?

3. define GroupingDescription property of icollection view?

4. the following ios function is used to handle which type of touch event(s)?

(void)touchesMoved(NSSet\*) touches with (UIEvent\*) event.

remaining old questions..

q. name of Touch Events only three ? (3 Marks)

Q. what are the other names of "java script"?/2 marks

Q. what will be the efficient way of applying the same style on all paragraphs of HTML page?also provide an example //3

Q. Tasks using objective C

Create location manager object

Apply accuracy filter on location manager object created in first step

Tell the manager to start looking for its location immediately

Q. JavaScript Program for calculating X and Y position on the Screen

Q. Suppose a thread is defined like:- Thread task = new Thread( ); What will following statements do:- Task.start( )

Running task Task.join( )

start of a thread's execution to the end of another thread's execution so that a thread will not start running until another thread has ended Task.sleep(200)

pauses the task for a 200ms

=====  
**Question: 18 (Marks: 1)**

The best way to implement simple threading in Windows Forms programs is to use the \_\_\_\_\_ class.

**Choices:**

BackgroundWorker

Windowsform

Simplethreadworker

None of the given

Question: 4 (Marks: 1)

One of the ways to create an instance of a class is \_\_\_\_\_.

Choices:

System array



Factory method



Sequential heap



XAML compiler



Question: 5 (Marks: 1)

Which "transform" property can help us to flip the element from its center?

Choices:

ScaleY



None of given options



ScaleX



RenderTransformOrigin



Question: **6** (Marks: 1)

If we want that "Stretch" property of child element takes the available "height or width of parent" and shape of child element doesn't change, then we should write "Stretch =

\_\_\_\_\_".

Choices:

1



Fill



UniformToFill



Uniform



Question: 7 (Marks: 1)

When a button makes itself disabled, then the value of "Focusable" property is

\_\_\_\_\_

Choices:

False



Null



True



None of the given options

