



Deputy of training Plan and curriculums office

Competency Training standard

Title

Essentials of Developing Windows® Store Apps Using HTML5 and JavaScript

Occupational group

Information Technology (IT)

International code

2523-53-115-1

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- -Sharekord Center Technical and Vocational Training Organization

Revision Process:

- Scientific content
- According to market
- Equipment
- Tools

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Definitions:

Job standard:

The characteristics 'required competencies and abilities for Efficient Performance in work environment is called "the Job standard", and sometimes "The Occupational standard"

Training standard:

The Training Map for achieving the Job's subset Competencies.

Job title:

Is a set of Tasks and Abilities which is expected from an employed person in the defined level

Job description:

A statement covering the most important elements of a job, namely the position or title of the job, the duties, job's relation with other jobs in a occupational field, the responsibilities, workplace conditions and required performance standards.

Course duration:

The minimum of time which is required to achieve the training objects.

Admission requirements:

The minimum of competencies and abilities which are obligatory for a potential admission.

Evaluation:

The process of collecting evidence and judgment about wetter a competency is achieved or not.

Include: written examination, practical examination

Required Qualifications for Trainers:

The minimum of Trainer's technical and vocational abilities which the trainer is required to have.

Competency:

The ability of efficient performing a duty in a variety of workplaces conditions

Knowledge:

The minimum set of facts and mental capacities which is necessary for achieving a competency. This can include science, (Mathematics, physics, chemistry or biology), technology or technical.

Skill:

The minimum coordination between mind and body for achieving an ability or competency. It normally applied to practical skills.

Attitude:

A set of emotional behaviors required for achieving a competency and can have non-technical skills and occupational ethics.

Safety:

The cases which doing or not doing something can cause harm or accident

Environmental Consideration:

A set of consideration about the act which should be done to minimize the environmental damage or pollution.

competency title:

Essentials of Developing Windows® Store Apps Using HTML5 and JavaScript

competency description:

In this course, students will learn essential programming skills and techniques that are required to develop Windows Store apps. This includes a combination of both design and development skills, as well as ensuring that students are comfortable using and making the most of the Microsoft Visual Studio and Expression Blend tools.

After completing this course, students will be able to:

- Describe the Windows 8 platform and features, and explore the basics of a Windows app interface.
- Create the User Interface layout and structure.
- Apply the MVVM pattern to application design.
- Implement the AppBar and layout controls.
- Use templates to create the UI.
- Use data binding to present data in the UI.
- Handle files and streams.
- Design and implement Process Lifetime Management (PLM).
- Handle navigation scenarios in a Windows Store app.
- Implement Semantic Zoom.
- Design and implement contracts such as Search, Share and Settings.
- Implement tiles and toast notifications in a Windows Store app.
- Respond to mouse, keyboard and touch events, including gestures.
- Deploy a Windows Store app to the Windows Store or an enterprise store.

admission requirements:

Minimum Degree Of Education: Post first year of high school

Minimum physical and mental ability:

Prerequisite Skills: This course is intended for professional developers who have one or more years of experience creating applications and who are comfortable programming in HTML5, JavaScript, and CSS3

Course duration:

Course Duration: 50 Hours

-Theoretical:10 Hours

-Practical:30 Hours

-Apprenticeship:0 Hours

-Project:10 Hours

Evaluation:(%)

Exam 70-481



Published: October 11, 2012

Languages: English, Chinese

(Simplified), French, German, Japanese,

Portuguese (Brazil)

Audiences: Developers

Technology: Visual Studio 2012

Credit toward certification: MCP,

MCSD

Required Qualifications for Trainers

Essentials of Developing Windows® Store Apps Using HTML5 and JavaScript degree holders with 5 years experiences

competency training standard

tasks

`	Title
1	Overview of the Windows 8.1 Platform and Windows Store Apps
2	Single-Page Apps and the MVVM Design Pattern
3	Using WinJS
4	Implementing Layout Using Windows 8.1 Controls
5	Presenting Data
6	Implementing Tiles and User Notifications
7	Handling Files in Windows Store Apps
8	Windows Store App Process Lifetime Management
9	Designing and Implementing Navigation in a Windows StoreApp
10	Implementing Windows 8.1 Contracts
11	Designing and Implementing a Data Access Strategy
12	Responding to Mouse and Touch
13	Planning for Windows Store App Deployment

Training standard Contents analysis form

Title:	time			
Overview of the Windows 8.1 Platform	Theoretical	practical	total	
and Windows Store Apps	Determined	by the instr	ructor	
Knowledge ,skill ,attitude ,safety, Environmen	tal Consider	ration		Equipments ,tools, materials ,books
Knowledge and Skill:	Determined	by the insti	ructor	From Microsoft
- Introduction to the Windows 8.1				
Platform				
- Windows 8 UI Principles				
- WinRT and Language Projections				
- Exploring the Windows 8 Platform				
- Exploring a Windows Store App				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkologa			
Compitance with safety protection in the wo	лкріасе			
Environmental Consideration:				
Compliance with environmental protection				

Title:	Time				
Single-Page Apps and the MVVM Design	theoretical	practical	Total		
Pattern	Determined	d by the ins	tructor		
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		Equipments ,tools, materials ,books	
Knowledge and Skill:	Determined	d by the ins	tructor	From Microsoft	
- Single-Page Applications					
- The MVVM Design Pattern					
- Paper-based Quiz					
Attitude:					
Speed and accuracy in doing the right thing					
Health & Safety:					
Compliance with safety protection in the wo	orkplace				
Environmental Consideration:					
Compliance with environmental protection					

	Time			
Title:	theoretical	practical	Total	
Using WinJS	Determined	l by the inst	tructor	
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined	d by the inst	tructor	From Microsoft
- The WinJS Library				
- WinJS APIs				
- Defining the Data.Model Namespace				
and Objects				
- Using Promises to Load Data				
Asynchronously				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:				
Compliance with environmental protection				
1				

Title:	Time			
Implementing Layout Using Windows 8.1	theoretical	practical	Total	
Controls	Determined	l by the inst	tructor	
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined	l by the inst	ructor	From Microsoft
Windows 8.1 Layout ControlsImplementing WinJS Controls and Templates				
The AppBar ControlWindowing Modes				
Implementing an AppBar ControlCreating Adaptive Views				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo				
Environmental Consideration:				
Compliance with environmental protection				

	Time			
Title:	theoretical	practical	Total	
Presenting Data	Determined	l by the inst	tructor	
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined	d by the inst	tructor	From Microsoft
Working with Data PresentationControlsThe ListView Control				
- Implement the ListView Control				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:				
Compliance with environmental protection				

Training standard Contents analysis form

Title:	Time			
Implementing Tiles and User	theoretical	practical	Total	
Notifications The and Oser	Determined	l by the ins	tructor	
Knowledge ,skill ,attitude ,safety, Environmen				Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined	d by the ins	tructor	From Microsoft
- Implementing Tiles, Live Tiles,				
Secondary Tiles, and Badge Notifications - Implementing Toast Notifications				
- Enabling Live Tile Functionality on the				
Main Tile				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:				
Compliance with environmental protection				
_				

	Time			
Title:	theoretical	practical	Total	
Handling Files in Windows Store Apps	Determined	l by the inst	tructor	
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		Equipment's ,tools,
Knowledge ,skin ,attitude ,sarety, Environmen	tai Conside	ration		materials, books
Knowledge and Skill:	Determined	d by the inst	tructor	From Microsoft
- Handling Files and Streams in Windows Store Apps				
- Working with File User Interface Components				
- Writing Data to the Notes File				
- Reading Data from the Notes File				
Attitude:			I.	
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:				
Compliance with environmental protection				

Title:	Time			
Windows Store App Process Lifetime	theoretical	practical	Total	
Management Management	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined	d by the inst	tructor	From Microsoft
- Process Lifetime Management				
- Windows Store App Activation and				
Background Tasks				
- Implementing a State Management				
Strategy				
- Explore the Different PLM States				
- Implement State Management				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo				
Environmental Consideration:				
Compliance with environmental protection				

Title:	Time			
Designing and Implementing Navigation	theoretical	practical	Total	
in a Windows StoreApp	Determined	d by the inst	tructor	
Y 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. 1.0	,.		Equipment's ,tools,
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		materials ,books
Knowledge and Skill:	Determined	d by the inst	tructor	From Microsoft
- Handling Navigation in Windows Store				
Apps				
- Semantic Zoom				
- Add Navigation to the App				
- Implement Semantic Zoom				
Attitude:			I.	
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:				
Compliance with environmental protection				
,				

	Time			
Title:	theoretical	practical	Total	
Implementing Windows 8.1 Contracts	Determined	d by the inst	tructor	
Knowledge ,skill ,attitude ,safety, Environmen	tal Conside	eration		Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined	d by the inst	ructor	From Microsoft
- Designing for Charms and Contracts				
- The Search Contract				
- The Share Contract				
- Managing App Settings and Preferences				
- Implement the Search Contract				
- Implement the Share Contract				
- Adding a New Setting to the Settings				
Pane				
- Optional: Implementing Search with the				
SearchBox Control				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
	1			
Environmental Consideration:				
Compliance with environmental protection				
Comphance with environmental protection				

Title:	Time			
Designing and Implementing a Data	theoretical	practical	Total	
Access Strategy	Determined	l by the ins		
Knowledge ,skill ,attitude ,safety, Environmen	Equipment's ,tools, materials ,books			
Knowledge and Skill:	Determined by the instructor			From Microsoft
- Evaluating Data Access Strategies				
- Working with Remote Data				
- Paper Based Quiz				
Attitude:				
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:				
Compliance with environmental protection				
-				

	Time			
Title:	theoretical	practical	Total	
Responding to Mouse and Touch	Determined	l by the inst		
Knowledge ,skill ,attitude ,safety, Environmen	Equipment's ,tools, materials ,books			
Knowledge and Skill:	Determined by the instructor			From Microsoft
- Working with Mouse Events				
- Working with Gesture Events				
- Implement Mouse Events				
- Implement Gesture Events				
Attitude:	<u>l</u>			
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo				
Environmental Consideration:				
Compliance with environmental protection				

Contents analysis form

Title:	Time			
Planning for Windows Store App	theoretical	practical	Total	
Deployment Deployment	Determined	d by the inst		
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From Microsoft
- The Windows Store App Manifest				
- Windows Store App Certification				
Attitude:	I	l		
Speed and accuracy in doing the right thing				
Health & Safety:				
Compliance with safety protection in the wo	orkplace			
Environmental Consideration:				
Compliance with environmental protection				

Equipment & Tools & Materials & Resources (books, site, software...) form *Required quantity for each 15 Trainees

From: Microsoft