

Applications Developer's Intro School (Week 1)

DAY & MODULE	TIME	TOPIC/ACTIVITY	DESCRIPTION	DURATION	TASK OWNER	COMMENTS
Day 1, Mon (Module 1)	08:30 - 09:00	School Overview	Presentation	30	Faculty	Introduce school goals, training policies & procedures, technologies, learning environment, training tools
	09:00 - 09:30	Tools Introduction	Presentation	30	Faculty	Architecture setup, manuals, reference guide, performance support tool
	09:30 - 10:00	Ice Breaker	Activity	30	Participants	Introduction of participants with each other
	10:00 - 11:00	SDLC Overview	Presentation	60	Faculty	Intro to Smart's SDLC (with emphasis on Doc Standards, Testing, Security & Change Management)
	11:00 - 11:30	Subscriber Usage Inquiry - Case Introduction	Presentation	30	Faculty	Introduction to school case
	11:30 - 12:30	Create HTML Page	Case Work	60	Participants	Basic HTML page (Subscriber Information & Maintenance Page)
	12:30 - 01:30	LUNCH				
	01:30 - 02:00	Smart UI Best Practices	Presentation	30	Faculty	Standard Look and Feel of Front-end applications; Web Server
	2:00 - 04:00	Create HTML Page	Case Work	120	Participants	Basic HTML page (Subscriber Information & Maintenance Page)
	04:00 - 05:00	Revalida	Test	60	Participants	SDLC, Presentation Standards, Web Server Processes
		* Evaluate HTML Page Output	Administrative		Faculty	Java app case will call another java app, object concepts must be introduced
	05:00 - 05:30	Debrief	Meeting	30	Faculty & Participants	Get/give feedback re training
Day 2, Tue (Module 2)	08:30 - 09:00	JSP Intro	Presentation	30	Faculty	Embedding/Calling Java Applications into a webpage
	09:00 - 09:30	Documentation Standards Overview	Presentation	30	Faculty	Coding Layout, Commenting & Naming Conventions
	09:30 - 12:30	Code JSP Page (Billing)	Case Work	180	Participants	Using pre-created Java Applications
	12:30 - 01:30	LUNCH				
	12:30 - 01:00	Intro to Testing (SDLC)	Presentation	30		Levels of Testing (Unit, Integration, SAT & UAT)
	01:00 - 04:00	Perform Unit Testing & Debugging	Case Work	180	Participants	
	04:00 - 05:00	Revalida	Test	60	Participants	JSP, Documentation Standards, Testing
		* Evaluate whether code conforms to standards	Administrative		Faculty	while participants are taking the test
	05:00 - 05:30	Debrief	Meeting/Activity	30	Faculty & Participants	Get/give feedback
Day 3, Wed (Module 3)	08:30 - 09:30	Java Review	Presentation	60	Faculty	Java Objects and Apache Tomcat
	09:30 - 10:00	Java Model-View-Controller (JMVC) Intro	Presentation	30	Faculty	How JMVC Framework is used
	10:00 - 10:30	SQL Review: Data Manipulation Language	Presentation	30	Participants	Review of SQL statements that allow user to select, update, add & delete records
	10:30 - 12:30	Code JMVC (Subscriber Usage Info)	Case Work	120	Participants	
	12:30 - 01:30	LUNCH				
	12:30 - 02:00	Coding (Continued)	Case Work	90	Participants	Embedding SQL statements in JMVC, Link JMVC with pre-created JSP and Java Application/s
	02:00 - 04:00	Perform Unit Testing & Debugging	Case Work	120	Participants	
	04:00 - 05:00	Revalida	Test	60	Participants	Data Networking, SQL, JMVC, Network Security
		* Evaluate whether code conforms to standards	Administrative		Faculty	while participants are taking the test
	05:00 - 05:30	Debrief	Meeting/Activity	30	Faculty & Participants	Get/give feedback
Day 4, Thu (Module 4)	08:30 - 10:00	Linux Overview	Presentation	90	Faculty	Brief intro to Linux OS
	10:00 - 11:30	Building Security into Application Development	Presentation	90	Faculty	Security Policies and Guidelines applicable to the development process (note that security policies applicable to the case work will be included in each case/module intro)
	11:30 - 12:30	Intro to Telco Systems (Mediation System and Billing Systems)	Presentation	60	Faculty	Different Telco Systems, How they interface, focus on Mediation and Billing Systems (should be a generic discussion on systems in a Telco systems and not Smart-specific)
	12:30 - 01:30	LUNCH				
	01:30 - 02:30	Data Networking Review	Presentation	60	Faculty	Network Access, Network Architecture, Distributed Computing, Middleware, Network Security
	02:30 - 03:00	Mediation System - Case Introduction	Presentation	30	Participants	Introduction to school case
	03:00 - 05:30	Coding Mediation System (Java)	Case Work	150	Participants	This will be continued the next day
Day 5, Fri	09:30 - 12:30	Coding Mediation System (continued)	Case Work	120	Participants	module that would collect customer data records from NE, validate and formatting into an output file that can be later used for billing systems.
	12:30 - 01:30	LUNCH				
	01:30 - 3:30	Perform Unit Testing & Debugging	Case Work	120	Faculty & Participants	
		* Give individual feedback on revalida results and performance for the week	Administrative		Faculty	while other participants are debugging
	03:30 - 4:30	Lessons Learned Wrap Up	Presentation	60	Faculty	Summarize and review concepts learned
	04:30 - 05:30	Wrap-up Activity	Activity	30	Faculty & Participants	Team-building activity to celebrate conclusion of week 1 of training