

Applications Developer's Intro School (Week 2)

DAY & MODULE	TIME	TOPIC/ACTIVITY	DESCRIPTION	DURATION	TASK OWNER	COMMENTS	
Day 1, Mon (Module 5)	08:30 - 09:00	SQL Review: Data Definition Language	Presentation	30	Faculty	Review of SQL statements that allow user to create tables	
	09:00 - 09:30	Case Intro (Billing System)	Presentation	30	Faculty	Java and SQL case	
	09:30 - 10:30	Create SQL Statements	Case Work	60	Participants	Participants will be asked to create tables that will receive data from mediation system into billing	
	10:30 - 11:30	Test and Debug SQL Statements	Case Work	60	Participants		
	11:30 - 12:30	Code Billing System	Case Work	60	Participants		
	12:30 - 01:30	LUNCH					
	01:30 - 04:00	Code Billing System (continued)	Case Work	150	Participants	Participants will code BILLING app that will pass data from mediation into billing, process info and output the result into usage summary	
	04:00 - 05:00	Perform Unit Testing and Debugging	Case Work	60	Participants		
	05:00 - 05:30	Debrief	Meeting/Activity	30	Faculty & Participants	give/receive feedback	
	Day 2, Tue (Module 6)	08:30 - 09:00	SDLC Review: Change Management	Presentation	30	Faculty	Previous case dealt with new app, this case deals with enhancing an existing app so must discuss change management
09:00 - 10:00		Intro to RMI (Java Advanced Topic)	Presentation	60	Faculty	Java app case will call another java app, object concepts must be introduced	
10:00 - 10:30		Case Intro (Mediation System Part 2)	Presentation	30	Faculty		
10:30 - 12:30		Code Mediation System Part 2	Case Work	120	Participants	Participants will code app that will filter records from NE and output the event into a record file. They will call another java application that will pass values to their parameter. Participant will call an external module using RMI.	
12:30 - 01:30		LUNCH					
01:30 - 02:30		Code Mediation System Part 2	Case Work	60	Participants		
02:30 - 04:00		Perform Unit Testing and Debugging	Case Work	90	Participants		
04:00 - 05:00		Revalida	Test	60	Participants	Change Management, COM	
		* Evaluate whether code conforms to standards	Administrative		Faculty	while participants are taking the test	
05:00 - 05:30		Debrief	Meeting/Activity	30	Faculty & Participants	give/receive feedback	
Day 3, Wed (Module 7)	08:30 - 09:30	Intro to Integration Specifications	Presentation	60	Faculty	Emphasizes importance of standards for implementing modular programming and integration	
	09:30 - 10:00	International Roaming Activation - Case Introduction	Presentation	30	Faculty	This is a complete case where they will code both the front end and back end	
	10:00 - 12:30	Code Front-end JSP	Case Work	150	Participants	Participants will be asked to create a simple JSP Page and a simple Java Application that displays info through the JSP Page. The output of this case will be used later on. They will perform Unit testing (assembly) on their completed app components	
	12:30 - 01:30	LUNCH					
	01:30 - 04:00	Code Back-end Java App	Case Work	150	Participants		
	04:00 - 05:30	Perform Unit Testing and Debugging	Case Work	90	Participants		
Day 4, Thu	08:30 - 09:00	SDLC Review: Systems Application Testing	Presentation	30	Faculty	Review Smart Methodology re Integration Testing	
	09:00 - 12:00	Integration Testing (Part 1)	Case Work	180	Participants	Participants will be paired up. Participant 1 will integrate a front-end he/she created with a back end that Participant 2 has created and vice versa. They will write up a Test Plan(unit test only!!!!)	
	12:00 - 12:30	Debrief	Discussion	30	Faculty & Participants	Lessons learned re integration testing will be discussed	
	12:30 - 01:30	LUNCH					
	01:30 - 05:00	Integration Testing (Part 2)	Case Work	210	Participants	Participants will be asked to perform integration testing using a pair of front-end and back-end app that they did not create. They will write up a Test Plan.	
	05:00 - 05:30	Debrief	Discussion	30	Faculty & Participants	Lessons learned re integration testing will be discussed	
Day 5 Fri	08:30 - 09:00	SDLC: Intro to Unit Regression Testing	Presentation	30	Participants	Discuss what happens if the system they developed fails the SAT	
	09:00 - 11:30	Debugging and Regression Testing	Case Work	150	Participants	Participants will edit their program based on SAT findings and perform unit regression testing.	
	11:30 - 12:30	Week 2 Lessons Learned Wrap-Up	Presentation	60	Faculty & Participants	Discussion on lessons-learned throughout the course	
	12:30 - 01:30	LUNCH					
	01:30 - 04:30	One-on-one Participant Evaluations	Evaluation	30	Faculty & Participants	Faculty will feedback his/her evaluation of the participant's performance in the school	
	04:30 - 05:00	Course Evaluation	Evaluation	30	Participants	Participants will evaluate the course	
05:00 - 05:30	School Closing	Presentation	30	Faculty	Future Roadmap for Participants		