Course Design Document

Spring Core CA Enablement Level3 Practice Case Studies

(For Classroom Training, Virtual Classroom, Webinar, Dovetail and Assessments)

Ver 3.1

Effective From: 2nd April 2012

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|  | Prepared By  (*to be updated by SME after updating the Section 1A, 1B, 1C and 1D*) | Development Approval  *(to be updated by the BU Associate Director or Above)* | Release Approval  *(to be updated by the Product Manager after reviewing Section 1 & 2)* |
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| Date | August 2014 | August 2014 | August 2014 |

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# 1. Pre Development Phase

## A. Course Section

i. Course Name and Objective

This section lists the course name, objective (at a higher level), course duration, and the course level.

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Name** | **Course Objective** | **Course Level**  **( Learner / Practitioner/Specialist )** | **Duration**  **(Hrs)** |
| **Core Spring –Hands-On Lab Level 1** | After completing the course, associate should be able to :   1. To configure simple Spring bean 2. To Configure Spring DI through setter and constructor injection 3. To configure how to do auto wiring 4. To configure how to externalize bean configuration 5. To understand how to implement AOP thorough Spring application 6. To understand how to configure data source in Spring 7. To understand how to write dao using Spring JDBC 8. To understand how to implement transaction policy using Spring transaction | Practitioner | 12 |

ii. Learning Methods

This section helps you to identify the different learning methods that would be implemented for imparting the training.

| **SNo** | **Learning Method** | **Offshore**  **(Yes / No)** | **Onsite**  **(Yes / No)** |
| --- | --- | --- | --- |
| **1.** | **Courseware** |  |  |
| 1.1 | Classroom Training |  |  |
| 1.2 | Virtual Classroom |  |  |
| 1.3 | Dovetail |  |  |
| 1.4 | Webinar |  |  |
| 1.5 | Self - Paced Learning Resources – Self Reading | Yes | ***Yes*** |
| 1.6 | Classroom Training / Virtual Classroom |  |  |
| 1.7 | Classroom Training / Webinar |  |  |
| 1.8 | Dovetail / Virtual Classroom |  |  |
| 1.9 | Classroom Training / Dovetail / Virtual Classroom |  |  |
| **2.** | **Assessments** |  |  |
| 2.1 | CCP - Assessments |  |  |
| 2.2 | Custom Assessments |  |  |
| 2.3 | L2 – Assessments (Pre Test) |  |  |
| 2.4 | L2 – Assessments (Post / Exit Test) |  |  |
| 2.5 | Dovetail - Assessments |  |  |
| 2.5 | ELT - Assessments |  |  |
| ***3.*** | ***References*** |  |  |

iii. Pre-Requisites (Courses, Certifications & Competencies)

This section helps you to list the relevant competencies for the courseware along with the proficiency levels as per the ELM requirements.

Prerequisite Courses, Certification and HCM Competency

| **Pre-Requisite** | | |
| --- | --- | --- |
| 1. **Course Names (along with Course Codes) and Certifications ( External and Internal)** | | **Mandatory / Recommended** |
|  | |  |
|  | |  |
|  | |  |
| 1. **Prerequisite HCM Competency** | **Proficiency Level**  **(Learner/Practitioner/Specialist)** | **Mandatory / Recommended** |
| **1.** **Core Java(3632)** | **Practitioner** | **Recommended** |
| **2.** **JDBC(3634)** | **Basic** | **Recommended** |
| **3.** **Design Patterns(3635)** | **Basic** | **Recommended** |
| **4. XML(3638)** | **Basic** | **Recommended** |
| **5.ORM Tools (6050)** | **Basic** | **Recommended** |
| **Note:**  Refer to the following for HCM Competency information:   1. <https://cworld.cognizant.com/MyCognizant/MyCareer/default.aspx>. Refer to this link to provide Role Skill Matrix Competencies. Click on Verticals, Horizontals, Business Consulting and Corporate Functions under the **Competency Definitions** block 2. <https://ch1workspaces.cognizant.com/sites/SW41/HCM%20Competency%20Master/Forms/AllItems.aspx> and open the file **HCM Competency Master.xlsx** for the complete list of HCM competencies. | | |

iv. Course Competencies

***(****If this section has already been updated in the Requirements Tracking Document (RTD), the following table need not be updated.)*

|  |  |
| --- | --- |
| **ELM Requirement** | |
| **List the HCM Competencies & Proficiency Level of this course** | |
| **HCM Competency** | **Proficiency Level**  **(Learner/Practitioner/Specialist)** |
| **Spring Core (6052)** | **Practitioner** |
|  |  |
|  |  |
|  |  |
|  |  |

**Note:**

Click the link -<https://ch1workspaces.cognizant.com/sites/SW41/HCM%20Competency%20Master/Forms/AllItems.aspx> and open the file **HCM Competency Master.xlsx** for the complete list of HCM competencies

v. RLO Objectives and Names

This section lists the RLO (module) objectives and names for the course.

| **#** | **RLO Objectives** | **RLO Name** | **Theory Duration**  **(Hrs)** | **Hands-on Duration**  **(Hrs)** | **Learning**  **Method(s)** |
| --- | --- | --- | --- | --- | --- |
| 1 | After completing this module, you will be able to: |  |  |  |  |
| 2 | After completing this module, you will be able to: |  |  |  |  |

Note: Please add/delete rows as applicable

vi. Session Plan – Classroom Training - Offshore

This section lists the RIO (**chapter**) objectives and names for the course.

| **#** | **RIO Objective** | **RIO Name** | **Duration (Hrs.)** | |
| --- | --- | --- | --- | --- |
| **Theory** | **Hands-on** |
| 1 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |
| 2 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |

Note: Please add or delete rows as per requirements.

vii. Session Plan – Virtual Classroom – Offshore

This section lists the RIO (**chapter**) objectives and names for the course.

***(Each session will be of maximum Two hours.)***

| **#** | **RIO Objective** | **RIO Name** | **Duration (Hrs.)** | |
| --- | --- | --- | --- | --- |
| **Theory** | **Hands-on** |
| 1 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |
| 2 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |

viii. Session Plan – Classroom Training - Onsite

This section lists the RIO (**chapter**) objectives and names for the course.

| **#** | **RIO Objective** | **RIO Name** | **Duration (Hrs.)** | |
| --- | --- | --- | --- | --- |
| **Theory** | **Hands-on** |
| 1 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |
| 2 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |

Note: Please add or delete rows as per requirements.

ix. Session Plan – Virtual Classroom – Onsite

This section lists the RIO (**chapter**) objectives and names for the course.

*(Please note that virtual sessions at onsite are run during off hours and weekends, therefore content should be designed so as to not exceed Two hours per session (but you may have multiple Two hours sessions). Try to keep total contact time to <= 24 hours)*

| **#** | **RIO Objective** | **RIO Name** | **Duration (Hrs.)** | |
| --- | --- | --- | --- | --- |
| **Theory** | **Hands-on** |
| 1 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |
| 2 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |

Note: Please add or delete rows as per requirements.

x. Session Plan – Dovetail

This section lists the RIO (**chapter**) objectives and names for the course.

| **#** | **RIO Objective** | **RIO Name** | **Duration (Hrs.)** | |
| --- | --- | --- | --- | --- |
| **Theory** | **Hands-on** |
| 1 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |
| 2 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |  |

Note: Please add or delete rows as per requirements.

xi. Session Plan – Webinar

This section lists the RIO (**chapter**) objectives and names for the course.

***(Each session will be of maximum Four hours.)***

| **#** | **RIO Objective** | **RIO Name** | **Duration (Hrs.)** |
| --- | --- | --- | --- |
| 1 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |
| 2 | After completing this chapter, you will be able to… | <Chapter Name>  <Topic Name1>  <Topic Name2> |  |

Note: Please add or delete rows as per requirements.

xii. Deliverable for Each Learning Method

This section lists the different types of deliverables applicable for each learning method.

| **Courseware** | | | | |
| --- | --- | --- | --- | --- |
|  | **Learning Method (**✓ **whichever is applicable)** | | | |
| **Deliverables** | **Self - Paced Learning Resources – Self Reading** | **Dovetail** | **Virtual Classroom** | **Webinar** |
| Session Plan |  |  |  |  |
| Presentations |  |  |  |  |
| Hands-on Exercise Document | ✓ |  | ✓ |  |
| Case Study | ✓ |  | ✓ |  |
| Model Solutions for Hands on exercise / Case Study | ✓ |  | ✓ |  |

| **Assessment** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | **Learning Method (**✓ **whichever is applicable)** | | | | |
| **Deliverables** | **CCP** | **Dovetail** | **ELT** | **L2** | **Custom** |
| C2 Protected Source Question Bank |  |  |  |  |  |
| Complete Structural (Module/Chapter) Information |  |  |  |  |  |
| Completed Blueprint |  |  |  |  |  |
| Phase-wise Learning Plan |  |  |  |  |  |

***\* Update sub-section xi if Assessment section is ‘Yes’***

xiii. Learning Materials for Assessment

This section lists the learning materials such as Public Courses, Books, Manuals, and Web Links that are required to prepare for an assessment.

| **SNo.** | **Public Course / Book / Manual / Web Link / Digital Library / Other** | **Name**  **(update here)** | **Availability**  **(Location of the material)** |
| --- | --- | --- | --- |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

## B. Learner Section

i. Target Audience

This section helps you to identify the target audience for the course. Typically, the target audience can be classified into three categories based on the role of an Associate.

Select (✓) the appropriate cells in the Table below to indicate the Target Audience for the Course/Assessment.

| **Designation**  **Geography** | **Senior Associates & Above** | **Managers & Above & Equivalent** | **All Associates** |
| --- | --- | --- | --- |
| Global | PA, A, SA |  | ✓ |
| India | PA, A, SA |  |  |
| Europe | PA, A, SA |  |  |
| North America | PA, A, SA |  |  |

**List of countries**

|  |  |
| --- | --- |
| **Geo-wise Learner Groups** | **Countries Covered** |
| India Employees | IND,  PHL, CHN  (Philippine, China) |
| North America Associates | USA, ARG, BRA, CAN, MEX |
| Europe | CHE, BEL, CZE, DEU, DNK, FRA, NLD, NOR, SWE, GBR, IRL, HUN,FIN |

**Note**: Please ensure that the above table is in synch with the Implementation Table (Section 7.0) in the Requirements Tracking Document.

ii. Learner Profile

This section captures additional information for the learner which will help the learner to take up the course.

* **Years of Experience in specific Technology / Domain : 1 + Years of experience in working with applications in .NET using C# or VB**
* **Other : WFP basic experience**

## C. Trainer Section

i. Trainer’s Skill-set (Mandatory)

This section captures the Skill-set of the trainer.

**Technical/Domain/Behavioral Skill-set**

| **#** | **Competency Area** | **Proficiency Level (1-Learner/ 2 / 3 / 4 /5-Guru)** | **Years of Experience** |
| --- | --- | --- | --- |
| 1 | **Spring Framework(6052)** | Expert (3) | 3 |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |

ii. Vendor Certification (if required)

iii. Additional Information

This section captures any additional information required to conduct the course.

## D. Infrastructure Section

i. Hardware, Software Specification

This section captures the hardware and software specifications for the effective delivery of the course.

**a. Hardware Specification**

|  |  |
| --- | --- |
| **Server Specification** | Windows 7 - 32bit  4GB RAM |
| **Desktop / Client Specification** | Admin Rights |

**b. Software** **Specification**

| **#** | **Name of the software (s) to be installed** | **Version** | **License available in RAMS?**  **(Yes/No)** | **License available in RAMS for onsite?**  **(Yes/No)** | **Description of any patch to be installed** | **Can be used through Tool Wire / SoftGrid?** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | JDK | 7.0 | Yes | Yes |  | Yes |
| 2 | SDE 7.0 | 7.0 | Yes | Yes |  | Yes |
| 3 | Tomcat 6.0/7.0 | 6.0/7.0 | Yes | Yes |  | Yes |
| 4 | MySQL Workbench | 6.0.8 | Yes | Yes |  | Yes |
| 5 | Netbeans 6.9.1- Complete Installation (Including Derby database and Tomcat Server) | 6.9.1 | Yes | Yes |  | Yes |
| 6 | Eclipse | 3.6 | Yes | Yes |  | Yes |
| **Installation Details:**  Refer the below link for JDK and JRE installation :  <http://www.oracle.com/technetwork/java/javase/downloads/java-archive-downloads-javase6-419409.html>  Refer the below link for SE download and installation :  <https://gto.cognizant.com/javacoe/SitePages/SDEDownload.aspx>  **Setup Script: Not Applicable**  **Test Cases to check the installed software’s:** | | | | | | |

**Instruction for installing the software in the “Tool Wire/SoftGrid” environment *(if the response is ‘Yes’ in the last column in the above table)*:**

| **#** | **Name of the software** | **Instruction** |
| --- | --- | --- |
| 1 | Spring Jars 3.0 | <http://www.java2s.com/Code/Jar/s/Downloadspringweb310RELEASEjar.htm> |
| 2 | Mysql-connector-java-5.1.12-bin | <http://www.java2s.com/Code/Jar/m/Downloadmysqlconnectorjava5123binjar.htm> |
| 3 | spring-hibernate3-2.0.8 | <http://www.java2s.com/Code/Jar/s/Downloadspringhibernate3208jar.htm> |
| 4 | Hibernate 3.5 jars | <http://www.java2s.com/Code/Jar/h/Downloadhibernate353jar.htm> |

# 2. Pre Release Checklist

| **Requirement** | **Yes / No / NA** |
| --- | --- |
| \* Learning Methods have been validated | Yes |
| \* Learner Groups (LG) have been validated (LG modification is allowed on quarterly basis) | Yes |
| \* Trainer Profile available | Yes |
| \* Session plan for trainer available | NA |
| \* Participant Profile available | Yes |
| \* Model solution to the Case Studies ( if any) is available | Yes |
| \* Model solution to the Hands-on Exercises ( if any) is available | Yes |
| \* Infrastructure details available for onsite and offshore | Yes |
| \* If the course is developed for Global Audience, then it must have content for Virtual Classroom. Only Classroom Training is not accepted. | NA |
| Pilot testing required | NA |
| List of the Trainers for conducting this training is available | NA |
| Course information summary available | Yes |
| Workshop facilitation instructions available |  |
| Content meets course objectives and has right balance between concepts and experience sharing (examples) |  |
| \*\* Any additional inputs if External Trainer is used to execute this course |  |

***\*Indicates Mandatory Component.***

***Course will be released only on the availability of all the mandatory components. Any exception will have to be approved by BU approver and Academy approver.***

Pilot Testing Feedback and Action Taken

|  |  |  |
| --- | --- | --- |
| **#** | **Feedback** | **Action Taken** |
| 1 | Content meets course objectives and has right balance between concepts and experience sharing (examples) | Hands exercise document provided. |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |

\*\*Inputs for External Trainer:

*<Include the instructions for the external trainer here>*