

Rice Team KRAD Training - January 2013 - Bloomington, IN

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 - Day 1: Monday, January 28th
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- Training Topic Breakdown

Logistics

Dates - January 28 - February 1, 2013

Schedule - 9am-5:30pm M-Th, 9am-12:30pm F

Hotel - Biddle Hotel and Conference Center, Indiana Memorial Union, 900 E. Seventh St. Bloomington, IN 47405

- website: <http://www.imu.indiana.edu>
- phone: 800-209-8145
- reservation block code: KUALI13

Work Location - Hotel Conference Center **Walnut Room** [IMU Map](#)

Airport Info - Fly into Indianapolis International Airport

Shuttle Info - Go Express Travel or Star of America

Attendees

1. Jerry Neal - Kindle
2. Claus Niesen - second laptop
3. Eric Westfall - tablet
4. Corey Pedersen - tablet
5. Jeff Ruch - iPad
6. Erik Meade - iPad
7. Matt Sargent - 2 iPads
8. Sona Muthuswamy - laptop
9. Shannon Hess - laptop
10. Tom Clark - iPad
11. Aaron Hamid - Kindle
12. Steven Manning - laptop
13. Martin Taylor - Nexus, Kindle
14. Peter Giles - tablet
15. Brian Smith
16. Jonathan Keller - iPad
17. Samuel Holtzkampf - tablet
18. Grant Trudel - iPad
19. Jain Waldrip - second laptop

Not Attending

1. Jessica Coltrin
2. Shem Patterson
3. Farooq Sadiq
4. Jeff Caddel
5. Paula Sisson

Prerequisite Setup Prior to the Meeting

- [KRAD Training Setup Documentation](#)

Agenda

- KRAD Developers Training Agenda (PDF Version)

* - See Training Topic Breakdown for items with an asterisk

Day 1: Monday, January 28th

Time	Meeting
9:00 - 9:15	Introduction
9:15 - 9:25	KRAD Benefits & Goals
9:25 - 9:35	KRAD Modules & Development Stack
9:35 - 9:45	KRAD Packages
9:45 - 10:00	KRAD Applications Architecture
10:00 - 10:15	Data Objects & ORM
10:15 - 10:30	Break
10:30 - 11:00	The Data Dictionary
11:00 - 12:00	Overview of the UIF*
12:00 - 1:00	Lunch
1:00 - 2:00	The View* (<i>Exercises 8, 9, 10</i>)
2:00 - 2:30	Fields and Labels (<i>Exercise 11</i>)
2:30 - 3:00	Data/Input Fields* (<i>Exercises 12, 13, 14, 15, 16, 17, 19</i>)
3:00 - 3:15	Break
3:15 - 5:00	Continued...
5:00 - 5:30	Daily Recap

Day 2: Tuesday, January 29th

Time	Meeting
8:30 - 10:15	Continued...
10:15 - 10:30	Break
10:30 - 12:00	Actions* (<i>Exercises 19, 20</i>)
12:00 - 1:00	Lunch
1:00 - 1:30	Images and Links (<i>Exercises 21, 22</i>)
1:30 - 2:00	Message Fields (<i>Exercise 23</i>)
2:00 - 2:30	Rich Messages (<i>Exercise 24</i>)
2:30 - 3:00	Overview of Groups (<i>Exercise 25</i>)
3:00 - 3:15	Break
3:15 - 3:30	Working with Headers (<i>Exercise 26</i>)
3:30 - 5:00	Group Layout Managers (<i>Exercises 27, 28, 29</i>)
5:00 - 5:30	Daily Recap

Day 3: Wednesday, January 30th

Time	Meeting
9:00 - 10:15	Continued...
10:15 - 10:30	Break
10:30 - 12:00	Collections (<i>Exercises 30, 31, 32</i>)
12:00 - 1:00	Lunch
1:00 - 3:00	Continued
3:00 - 3:15	Break
3:15 - 3:45	2.3 Team Discussions
3:45 - 4:30	Widgets* (<i>Exercises 33, 34, 35, 36</i>)
4:30 - 5:00	Conditional Logic* (<i>Exercises 37, 38, 39, 40, 41</i>)
5:00 - 5:30	Daily Recap

Day 4: Thursday, January 31st

Time	Meeting
9:00 - 10:15	Coding Standards
10:15 - 10:30	Break
10:30 - 11:30	Conditional Logic Continued...
11:30 - 12:00	Progressive Disclosure and Component Refresh (<i>Exercise 42</i>)
12:00 - 1:00	Lunch
1:00 - 1:30	Disable (<i>Exercise 43</i>)
1:30 - 2:00	Event Handling (<i>Exercise 44</i>)
2:00 - 3:00	Dialogs (<i>Exercise 45</i>)
3:00 - 3:15	Break
3:15 - 3:45	Lookup/Inquiry Views (<i>Exercise 46, 47</i>)
3:45 - 5:00	Maintenance/Transactional Document Views (<i>Exercise 48, 49</i>)
5:00 - 5:30	Daily Recap
6:30	Team Dinner at Lennies (menu)

Day 5: Friday, February 1st

Friday is a half day since several folks will be heading home.

Time	Meeting
9:00 - 10:15	Deep Code Dive: The View Lifecycle
10:15 - 10:30	Break
10:30 - 11:00	Deep Code Dive: Spring MVC Configuration
11:00 - 12:00	Questions and Wrap-Up

Training Topic Breakdown

- The Data Dictionary
 - Attribute Definitions
 - Constraints
 - State-based Validation
 - Data Object Entries
 - Services
- Overview of the UIF
 - Component Architecture
 - Component Interface (common properties)
 - Types of Components
 - Component Library
 - Rendering Process
- The View
 - Spring Controller/Form
 - Request URLs
 - View Types
 - Navigation
 - Breadcrumbs
 - View Theme
 - CSS/JS
 - Images
 - Application Header/Footer
- Data/Input Fields
 - Data Binding
 - Binding Info
 - Property Editors
 - Default Values
 - Data Dictionary Backing
 - Types of Controls
 - Multi-Value Controls and Options
 - Data Field Messages
 - Read Only Display
 - List Display
 - Multi-Line Display
 - Quickfinders and Inquiries
 - Field Queries and Informational Properties
 - Actions
 - Action Rendering
 - Server/Client Requests
 - Action Label
 - Method to Call
 - Action Images
 - Placement
 - Ajax Requests
 - Refresh Id/Property Name o Return Type
 - Success/Error Callback
 - Pure JS Requests
 - Pre-Action
 - Pre-Submit Call
 - Client Side Validation, Dirty Validation o Loading Message, Blocking
 - Action Parameters, Additional Data
 - Jump To, Focus
- Other Elements/Fields
 - Image
 - Iframe
 - Space
 - GenericField
- Collections
 - Binding
 - Add Line
 - Line Actions
 - Sub-Collections
 - Layout Managers
 - Table
 - Action Column
 - Sequence Column
 - Add Line
 - Separate Add Line
 - Add Button
 - Add via Lightbox
 - Master/Detail
 - Totals and Grouping

- Stacked
 - Line Summary
 - Wrapper Group
- Collection Filters
- Display Size
- Other Groups
 - Accordion Group
 - Disclosure Group
 - Link Group
 - Navigation Group
 - Tab Group
 - Tree Group
 - Reordering Group
- Widgets
 - Help
 - Tooltip
 - Lightbox
 - Growls
 - Creating new Widgets
- Conditional Logic
 - Expressions
 - Component Context
 - Expression Functions
 - Component Modifiers
 - Property Replacers
 - Component Finalization
 - Component Factory