

# Accelerated Developer – Beginner

## Contents

|  |           |
|--|-----------|
| <b>Overview .....</b>                            | <b>9</b>  |
| <b>Objects of Interactive Development.....</b>   | <b>11</b> |
| <b>Object Management Workbench .....</b>         | <b>13</b> |
| Understanding the OMW Form .....                 | 13        |
| Understanding Objects.....                       | 14        |
| Understanding Tokens .....                       | 16        |
| Developing with OMW.....                         | 16        |
| Creating a Project.....                          | 17        |
| Steps to Create a Project.....                   | 17        |
| Default Project .....                            | 19        |
| Assign Users .....                               | 19        |
| Add a User to a Project.....                     | 19        |
| Remove a User from a Project .....               | 21        |
| Adding Objects to a Project.....                 | 21        |
| Add an Object from Existing Objects .....        | 22        |
| Add a New Object to a Project:.....              | 22        |
| Move an Object from One Project to Another:..... | 23        |
| Remove an Object from a Project.....             | 23        |
| Checkout .....                                   | 23        |
| Checkout an Object: .....                        | 23        |
| Erase Checkout .....                             | 24        |
| Erase a Checkout of an Object:.....              | 24        |
| Modify Object .....                              | 25        |
| Check-in .....                                   | 25        |
| To Check-in an Object: .....                     | 25        |
| Advance a Project .....                          | 26        |
| To Advance a Project .....                       | 26        |
| Other Center Column Tasks .....                  | 26        |
| Get Object.....                                  | 26        |
| Remove Object/User .....                         | 27        |
| Save/Restore .....                               | 27        |
| Save an object to save location .....            | 28        |
| Design Button .....                              | 29        |

|   |           |
|---|-----------|
| Working with Tokens .....   | 29        |
| View Token Status in the Project Window .....                     | 29        |
| View Token Queue.....   | 29        |
| View Token in the News/Status Window.....                         | 31        |
| Manipulate Object Tokens .....                                    | 31        |
| Release Token .....   | 32        |
| Switch Tokens .....   | 32        |
| Switch a Token From One Project to Another: .....                 | 32        |
| Searching.....  | 32        |
| Logging .....   | 33        |
| <b>Data Dictionary .....</b>                                      | <b>35</b> |
| Overview .....  | 35        |
| Item Specifications.....  | 36        |
| Item Glossary.....  | 37        |
| Data Item Glossaries.....   | 37        |
| Error Message Glossaries.....                                     | 38        |
| Processing Option Glossaries.....                                 | 39        |
| Default Values.....   | 40        |
| Visual Assist.....  | 41        |
| Edit Rules.....   | 42        |
| Display Rules.....  | 43        |
| Next Number.....  | 45        |
| <b>Understanding Table Design Aid.....</b>                        | <b>47</b> |
| Overview .....  | 47        |
| Create Table .....  | 48        |
| Create a Table.....   | 48        |
| Access the TDA Tools.....   | 49        |
| Select Data Items .....   | 50        |
| Select Data Items for the Table.....                              | 50        |
| View the Data Dictionary Properties of Columns in the Table ..... | 50        |
| Create Index .....  | 51        |
| Create an Index.....  | 51        |
| Generate Table/Index .....  | 54        |
| Generate a Table .....  | 54        |
| Generate an Index.....  | 54        |
| Table Triggers.....   | 55        |
| Add or Modify Table Trigger Logic.....                            | 55        |

|   |           |
|---|-----------|
| Build a Table Trigger .....   | 57        |
| <b>Understanding Business View Design Aid .....</b>                   | <b>59</b> |
| Overview.....   | 59        |
| Create Business View .....  | 60        |
| Create a Business View.....   | 60        |
| Access the BVDA tools.....  | 60        |
| Select Tables.....  | 61        |
| Select a Table for the Business View .....                            | 61        |
| View the Data Dictionary Properties of Columns in the Business View . | 62        |
| Select Columns .....  | 63        |
| Select Data Items for the Business View.....                          | 63        |
| Joins/Unions.....   | 64        |
| Business View Table Indexes.....                                      | 67        |
| Join Type .....   | 67        |
| Simple Join .....   | 67        |
| Left Outer Join .....   | 68        |
| Right Outer Join.....   | 68        |
| Unions.....   | 69        |
| Distinct Mode .....   | 69        |
| <b>Understanding Form Design Aid (FDA).....</b>                       | <b>71</b> |
| Overview.....   | 71        |
| Create Application .....  | 72        |
| Create an Application .....   | 72        |
| Access the FDA Tools .....  | 72        |
| Select Form Type .....  | 73        |
| Components of a Form.....   | 73        |
| Create a Form.....  | 74        |
| Form Data Structure .....   | 76        |
| Find/Browse .....   | 77        |
| Headerless Detail .....   | 79        |
| Header Detail.....  | 80        |
| Fix Inspect.....  | 81        |
| Search and Select .....   | 82        |
| Form Controls and Layout.....   | 83        |
| Determine Form Size.....  | 84        |
| Placing Business View and Data Dictionary Columns .....               | 86        |
| Tab Controls .....  | 87        |

|  |            |
|--|------------|
| Properties .....                                   | 88         |
| Push Buttons Checkboxes and Radio Controls .....   | 89         |
| Group Boxes .....                                  | 90         |
| Align Controls .....                               | 90         |
| Tab Sequence .....                                 | 91         |
| Media Objects .....                                | 91         |
| Event Rules.....                                   | 95         |
| ER Flow.....                                       | 95         |
| Event Rules Design.....                            | 99         |
| <b>Understanding Asynchronous Processing .....</b> | <b>117</b> |
| <b>Understanding Processing Options.....</b>       | <b>119</b> |
| Overview .....                                     | 119        |
| Create Processing Options.....                     | 120        |
| Select Data Items .....                            | 121        |
| Processing Option Description .....                | 123        |
| Adding Help Text .....                             | 124        |
| Attach to a Form .....                             | 125        |
| <b>Business Functions Overview .....</b>           | <b>127</b> |
| Overview .....                                     | 127        |
| .....  |            |
| <b>Exercises Overview.....</b>                     | <b>197</b> |
| <b>Object Management Workbench .....</b>           | <b>199</b> |
| Business Requirement.....                          | 199        |
| Objective .....                                    | 199        |
| Exercise .....                                     | 199        |
| Create an OMW Project. ....                        | 199        |
| Users and Roles.....                               | 199        |
| Token Inheritance.....                             | 200        |
| <b>Data Dictionary .....</b>                       | <b>201</b> |
| Business Requirement.....                          | 201        |
| Objective .....                                    | 201        |
| Exercise .....                                     | 201        |
| Add UDC Table Entries .....                        | 201        |
| Add Data Dictionary Items .....                    | 202        |
| <b>Table Design Aid .....</b>                      | <b>209</b> |
| Business Requirement.....                          | 209        |

|  |            |
|--|------------|
| Objective.....   | 209        |
| Exercise.....  | 209        |
| Create and Generate Tables .....                                       | 209        |
| <b>Business View Design Aid.....</b>                                   | <b>211</b> |
| Business Requirement .....   | 211        |
| Objective.....   | 211        |
| Exercise.....  | 211        |
| Create Business Views.....   | 211        |
| <b>Form Design Aid .....</b>   | <b>213</b> |
| Business Requirement .....   | 213        |
| Objective.....   | 213        |
| Exercise.....  | 213        |
| Create Item Master Application (Instructor Lead).....                  | 213        |
| Create Item Branch Application .....                                   | 215        |
| Create Search Select.....  | 218        |
| Enhancing Item Branch Application (Instructor Lead) .....              | 218        |
| Enhancing Item Master Application .....                                | 220        |
| Add Headerless Detail to Item Master Application (Instructor Lead).... | 220        |
| Add Headerless Detail to Item Branch Application.....                  | 222        |
| <b>Processing Option Design Aid .....</b>                              | <b>225</b> |
| Business Requirement .....   | 225        |
| Objective.....   | 225        |
| Exercise.....  | 225        |
| Create Processing Option for Item Master (instructor Lead).....        | 225        |
| Create Processing Option for Item Branch.....                          | 225        |
| <b>Beginners Class Case Study .....</b>                                | <b>227</b> |
| Business Requirement .....   | 227        |
| Objective.....   | 227        |
| Exercise.....  | 227        |
| Create Item Balances Table .....                                       | 227        |
| Create Item Branch and Balances Join – V5541021JA .....                | 228        |
| Create Item Balance Application .....                                  | 228        |
| Create a F554102 Check for Existing Item Branch Data Structure .....   | 234        |
| <b>Create Business Functions .....</b>                                 | <b>235</b> |
| Business Requirement .....   | 235        |
| Objective.....   | 235        |
| Exercise.....  | 235        |

|  |            |
|--|------------|
| Create a F554101 Check for Existing Item Master Business function<br>(Instructor Lead) .....   | 235        |
| F554102 Check for Existing Item Branch Location Business function .....                        | 235        |
| <b>Setting Up IDE. (Instructor Lead).....</b>  | <b>237</b> |
| Business Requirement.....  | 237        |
| Objective .....  | 237        |
| Exercise .....   | 237        |
| Create IDE (Instructor Lead) .....   | 237        |
| <b>Code Business Function .....</b>  | <b>239</b> |
| Business Requirement.....  | 239        |
| Objective .....  | 239        |
| Exercise .....   | 239        |
| Add Logic to B554101 .....   | 239        |
| Add Logic to N554102.....  | 239        |
| <b>Cache.....</b>  | <b>241</b> |
| Business Requirement.....  | 241        |
| Objective .....  | 241        |
| Exercise .....   | 241        |
| Create Cache Server.....   | 241        |
| <b>Case Study.....</b>   | <b>243</b> |
| Business Requirement.....  | 243        |
| Objective .....  | 243        |
| Exercise .....   | 243        |
| Implement Cache in the Item Master and Item Branch Applications ....                           | 243        |
| Create a Master Business Function and Integrate It with the Item<br>Balances Application ..... | 244        |