HRE SPECIFICATION DOCUMENTS GUIDE

NOTES:

- Modules marked in red have no Specification loaded to GitHub (as yet)
- Modules marked with "@" included for completeness, but they are not intended to be implemented before v0.4
- The second column in each section indicates the name of the file that details the specifications for coding (note that they still may be incomplete in details). At this time, this contains only files documenting elements of HRE up to v0.3.

1. GOALS

1.1.	General	)
1.2.	Database	)
1.3.	User Interface	) (README.md)
1.4.	Data Management	)
1.5.	Interoperability	)
1.6.	Implementation Stages	(01.6 Implementation Stages)

2. IMPLEMENTER OBLIGATIONS

2.1.	Intellectual Property Requirements	)
2.2.	Committing to a Task	)
2.3.	Eclipse Setup	)
2.4.	Java Coding Standards	)
2.5.	Jython Coding Standards	) (CONTRIBUTING.md)
2.6.	Source Documentation	)
2.7.	Feature Documentation	)
2.8.	Test Cases for Unit and Regression	)
2.9.	Submitting a Contribution	)

3. HRE ARCHITECTURE

3.1.	Architecture Overview	(Architecture Overview)
3.2.	Client Architecture	(Architecture Client)
3.3.	Server Architecture	(Architecture Server)
3.4.	Database Schema	(revised version to be released)
3.5.	Database Table layouts	(revised version to be released)

4. CLIENT - PRESENTATION (GUI) LAYER

4.1.	**MAIN MENU**	(GUI_UserInterface)
4.2.	Project Open	(GUI_ProjectOpen)
4.3.	Project Recent	(GUI_ProjectRecent)
4.4.	Project New	(GUI_ProjectNew)
4.5.	Project Backup	(GUI_ProjectBackup)
4.6.	Project Restore	(GUI_ProjectRestore)
4.7.	Project Close	(GUI_ProjectClose)
4.8.	Project Copy As	(GUI_ProjectCopyAs)
4.9.	Project Rename	(GUI_ProjectRename)
4.10.	Project Delete	(GUI_ProjectDelete)
4.11.	Import from TMG	(GUI_ProjectImportTMG)

4.12. Project Export @ (GUI_ProjectExport)
4.13. HRE Exit (GUI_ExitHRE)
4.14. Project Summary (GUI_ProjectSummary)

5. CLIENT COMMON (GUI) MODULES (Core GUI modules)

5.1. App Setting (GUI_AppSetting)
5.2. Encoded String Edit (GUI_EncodedStringEdit)
5.3. Encoded String Delete (GUI_EncodedStringDelete)
5.4. Encoded String Select (GUI_EncodedStringSelect)
5.5. Entity Delete (GUI_EntityDelete)
5.6. Entity Edit (GUI_EntityEdit)
5.7. Entity Select (GUI_EntitySelect)
5.8. Field Definition Edit (GUI_FieldDefinitionEdit)
5.9. Field Translation Edit (GUI_FieldTranslationEdit)
5.10. Flag Definition Delete (GUI_FlagDefnDelete)
5.11. Flag Definition Edit (GUI_FlagDefnEdit)
5.12. Flag Definition Select (GUI_FlagDefnSelect)
5.13. Flag Select Edit (GUI_FlagSelectEdit)
5.14. Help (GUI_Help)
5.15. Historical Date (GUI_HistoricalDate)
5.16. Historical Interval (GUI_HistoricalInterval)
5.17. Link Delete (GUI_LinkDelete)
5.18. Link Edit (GUI_LinkEdit)
5.19. Link Select (GUI_LinkSelect)
5.20. Logging (GUI_Logging)
5.21. Macro (GUI_Macro)
5.22. Name Edit (GUI_NameEdit)
5.23. Name Style Delete (GUI_NameStyleDelete)
5.24. Name Style Edit (GUI_NameStyleEdit)
5.25. Name Style Select (GUI_NameStyleSelect)
5.26. Notepad Definition Delete (GUI_NotepadDefnDelete)
5.27. Notepad Definition Edit (GUI_NotepadDefnEdit)
5.28. Notepad Definition Select (GUI_NotepadDefnSelect)
5.29. Notepad Select Edit (GUI_NotepadSelectEdit)
5.30. Notification (GUI_Notification)
5.31. Output (GUI_Output)
5.32. Panel Config Edit (GUI_PanelConfigEdit)
5.33. Pattern Definition Detail (GUI_PatternDefnDetail)
5.34. Pattern Definition Delete (GUI_PatternDefnDelete)
5.35. Pattern Definition Edit (GUI_PatternDefnEdit)
5.36. Pattern Definition Select (GUI_PatternDefnSelect)
5.37. Pattern Definition Validate (GUI_PatternDefnValidate)
5.38. Project Setting (GUI_ProjectSetting)
5.39. Recent Visit (GUI_RecentVisit)
5.40. Reminder (GUI_Reminder)
5.41. Substitution Delete (GUI_SubstitutionDelete)
5.42. Substitution Edit (GUI_SubstitutionEdit)
5.43. Substitution Select (GUI_SubstitutionSelect)
5.44. Summary (GUI_Summary)
5.45. Tag Definition Detail (GUI_TagDefnDetail)
5.46. Tag Definition Delete (GUI_TagDefnDelete)

5.47. Tag Definition Edit (GUI_TagDefnEdit)
5.48. Tag Definition Select (GUI_TagDefnSelect)
5.49. Tag Definition Validate (GUI_TagDefnValidate)
5.50. Tag Delete (GUI_TagDelete)
5.51. Tag Edit (GUI_TagEdit)
5.52. Tag Select (GUI_TagSelect)
5.53. Template Edit (GUI_TemplateEdit)
5.54. Definition Export (GUI_DefnExport)
5.55. Definition Import (GUI_DefnImport)
5.56. Accent Select (GUI_AccentSelect)
5.57. Accent Add (GUI_AccentAdd)
5.58. Accent Edit (GUI_AccentEdit)
5.59. Accent Link (GUI_AccentLink)
5.60. Accent Delete (GUI_AccentDelete)
5.61. Associate Select (GUI_AssociateSelect)
5.62. Add Associate (GUI_AssociateEdit)
5.63. Edit Associate (GUI_AssociateEdit)
5.64. Grammar Hint Delete (GUI_GrammarHintDelete)
5.65. Grammar Hint Edit (GUI_GrammarHintEdit)
5.66. Grammar Hint Select (GUI_GrammarHintSelect)
5.67. Input Completion (GUI_InputCompletion)
5.68. Tag Role Definition Edit (GUI_TagRoleEdit)
5.69. Tag Role Definition Select (GUI_TagRoleSelect)
5.70. Grammar Rule Delete @ (GUI_GrammarEdit)
5.71. Grammar Rule Edit @ (GUI_GrammarEdit)
5.72. Grammar Rule Select @ (GUI_GrammarEdit)
5.73. Search @ (GUI_Search)
5.74. Subset @ (GUI_Subset)
5.75. Server Login (GUI_ServerLogin).

6. CLIENT GUI TOOLS (GUI) MODULES

6.1. Application Language Select (GUI_AppLanguageSelect)
6.2. Application Language Add (GUI_AppLanguageAdd)
6.3. Application Language Edit (GUI_AppLanguageEdit)
6.4. Application Language Delete (GUI_AppLanguageDelete
6.5. User Language Select (GUI_UserLanguageSelect)
6.6. User Language Add (GUI_UserLanguageAdd)
6.7. User Language Edit (GUI_UserLanguageEdit)
6.8. User Language Delete (GUI_UserLanguageDelete)
6.9. Application Language Export (GUI_AppLanguageExport)
6.10. Application Language Import (GUI_AppLanguageImport)

7. CLIENT BUSINESS RULE (BR) MODULES (Core services)

7.1. Encoded String (BR_Encodedstring)
7.2. Entity Link (BR_Entitylink)
7.3. Field Definition (BR_Fielddefinition)
7.4. Files (BR_Files)
7.5. Flag (BR_Flag)
7.6. GUI Element (BR_Guielement)
7.7. Help (BR_Help)
7.8. Historical Date (BR_Historicaldate)

7.9. Keyboard (BR_Keyboard)
7.10. Location (BR_Location)
7.11. Logging (BR_Logging)
7.12. Menu (BR_Menu)
7.13. Monitor (BR_Monitor)
7.14. Name Style (BR_Namestyle)
7.15. Notepad (BR_Notepad)
7.16. Notification (BR_Notification)
7.17. Panel Config (BR_Panelconfig)
7.18. Pattern (BR_Pattern)
7.19. Pointer (BR_Pointer)
7.20. Printer (BR_Printer)
7.21. Project (BR_Project)
7.22. Recent Use (BR_Recentuse)
7.23. Reminder (BR_Reminder)
7.24. Setting (BR_Setting)
7.25. Schema (BR_Schema)
7.26. Substitution (BR_Substitution)
7.27. Tag (BR_Tag)
7.28. User (BR_User)
7.29. Translation (BR_Translation)
7.30. Viewpoint (BR_Viewpoint)
7.31. Accents (BR_Accent)
7.32. Person (BR_Person)
7.33. Import (BR_Import)
7.34. Event Task (BR_Eventtask)
7.35. Occasion Select (BR_Occasion)
7.36. Grammar @ (BR_Grammar)
7.37. Macro @ (BR_Macro)
7.38. Input Completion @ (BR_Inputcompletion)
7.39. Sentence @ (BR_Sentence)
7.40. Repository @ (BR_Repository)
7.41. Source @ (BR_Source)
7.42. Spatial @ (BR_Spatial)
7.43. Server Services (BR_ServerServices).

8. BRIDGE COMPOSITE (BCS) LAYER MODULES

8.1. Client Server Bridge (BCS_Bridge)

9. CLIENT COMMUNICATION (CC) LAYER MODULES

9.1. Server Connection (CC_ServerConnection)
9.2. Server User Requests (CC_UserServerRequest)
9.3. Server Admin Requests (CC_AdminServerRequest)

10. SERVER SERVICE (SS) LAYER MODULES

10.1. Database Maintenance (SS_DatabaseMaintenance)
10.2. Direct Request (SS_DirectRequest)

11. SERVER DATABASE ABSTRACTION (DBA) LAYER MODULES

11.1. Database Validate Request (DBA_Validate_Request)
11.2. Database Map Request (DBA_MapRequest)

11.3. Database Transaction (DBA_ManageTransaction)

12. SERVER DATABASE ENGINE (DBE) LAYER MODULES

12.1. Perform Database Request (DBE_PerformDatabaseRequest)

13. SERVER HEAD (SH) LAYER MODULES

13.1. Server Listener (SH_ServerListener)
13.2. Server Queues (SH_ServerQueues)