The Great Mind Challenge - Project Scenario Template

Note: Already filled information should not be changed

1.	**Name of the Project**	**Investor self service Application**
2.	**Objective/ Vision**	To build an investor self service portal for an Asset Management Company (AMC) that would allow its investors to have real time access to customer portfolio and various other functionalities.
3.	**Users of the System**	**A. Administrator** **B. Investor** **C. Investment Manager** **D. Backup Admin**
4.	**Functional Requirements (Atleast Eight)**	**The investor self services portal (ISSP) will provide the following functionality to the AMC's investor** **i. Login – Login in to the AMC's investor portal with folio number and pin** **ii. Account Summary – Portfolio details with cost value and current valuation** **iii. Account Statement – Ability to generate account statement in predefined format.** **iv. Fresh Purchase - Ability to sign up as a new investor by entering relevant data and having the application form pre-filled, ready to be signed and dispatched to the AMC. Ability to track status of Application using Application Inquiry Screens. Ability to make first purchase online (through PG integration) or through cheque/demand draft.** **v. Additional Purchase – Ability to invest into new schemes or make additional investments in an existing scheme. This module will be integrated with the payment gateway. Customer account will be debited and PG provider's pool account will be credited instantly. Purchase transaction will be booked only after successful payment confirmation from the PG provider.** **vi. Redemption – Ability to redeem existing investments. Redemption can be done for all units, selected no of units or by specifying amount.** **vii. Switches – Ability to switch from one scheme to another. It will be possible to switch to new schemes as well.** **viii. Change of Dividend option – Ability to change Dividend option from Re-Invest to Payout and vice versa. Not applicable for Growth schemes/plans.** **ix. View Transactions – Listing of last few transactions initiated by the investor.** **x. View Bank Details – Details of existing bank mandates specified by investor while booking purchases.** **xi. My Profile – Listing of the investors profile including his**

		address, email id, registered PAN No, KYC status for himself and joint holders etc. **xii. Change pin – Investor can change his pin after having logged in to the portal.** **xiii. Security features should include Account lockout – Account can be locked out after a configurable number of failed login attempts. There must be a capability to unlock the folio from the application console.** **xiv. Security features should include SSL based access – The transport channel will be SSL enabled right from the client browser. Access to the PG provider's site will also be SSL enabled.** **xv. Security features should include Change Pin on first access – Pin will have to be changed by investor on first login.** **xvi. Security features should include Regular 'Change Pin' Mechanism - Subsequently, investor can be forced to change his pin at a configured time interval (say 3 months)** **xvii. Account debit to be authorized by investor by entering his internet banking credentials along with any additional security imposed by the bank.** xviii. **ISSP will perform a number of basic validations on the transactions. Examples of local validations would be:** **i. Minimum investment amount** **ii. KYC status and PAN status** **iii. Inability to invest in a closed ended scheme where the scheme has already been closed.** **xix. Administration Module will include the functionalities--** **i. Changes in the Masters will be made by the Operations Team** **ii. Locking and Unlocking of Investor Accounts** **iii. Viewing all transactions across all investors**
5.	**Non-functional requirements (Atleast Four)**	i. **Secure access of confidential data (user's details). SSL can be used.** ii. **24 X 7 availability** **iii. Better component design to get better performance at peak time** **iv. Flexible service based architecture will be highly desirable for future extension**
6.	**Optional features**	**a.** **b.** **c.**
7.	**User interface priorities**	**A. Professional look and feel** **B. Use of AJAX atleast with all registration forms** **C. Browser testing and support for IE, NN, Mozila, and Firefox.** **D. Use of Graphical tool like JASPER to show strategic data to**

		admin **E. Reports exportable in .XLS, .PDF or any other desirable format**
8.	**Reports**	1. Reports customizing the stored data in a platform independent format and displaying it using style sheets. 2. Admin must be able to data in reports in excel sheets 3. Admin must be able to make pictorial depiction of data in excel sheets for better understanding 4. Reports should be elaborate for all the users.
9.	**Other important issues**	**A.** **B.**
10.	**Team Size**	**2 - 4**
11.	**Technologies to be used**	**UML, J2EE, XML, e-Forms, AJAX, Web 2.0, Web-services, SOA**
12.	**Tools to be Used**	• **ROSE/RSA / WebSphere Modeler** • **Eclipse/ RAD / Lotus Forms Designer / Portlet Factory** • **WebSphere Portal/ WAS/ WAS CE / WPS** • **DB2 Express – 'C' or DB2 UDB** • **Tivoli CDP/TSM / Tivoli Directory Server** • **Linux will be the preferred OS.** • **Developing an Application for WebSphere Application Server using Rational Application Developer** • **Testing the application on a WebSphere Application test environment** • **Deploying the Application on WebSphere Application Server** • **Accessing and updating data in the DB2 Database using JDBC** • **Using the JAAS module in WAS for user authentication** • **Configuring IBM HTTP Server with WebSphere Application Server** • **Configuring SSL on IBM HTTP Server** • **Understanding IBM HTTP Plugin creation and usage**
13.	**Final Deliverable must include**	**A. Online or offline help to above said users, Application deployment executive and developer** **B. Application archive (.war/.ear) with source code** **C. Database backup and DDL Script** **D. Complete Source code**