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| **PROJECT ON**  Chat Link |

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| Developed by  Name:  **Đoàn Xuân Dũng**  **Bùi Văn Toàn** |

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| **CHAT LINK** |

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| **Batch Code**:  **Start Date**: Nov 4, 2011 **End Date:** Jan 16, 2012  **Name of the Coordinator**: Phạm Tuân  **Names of the Developer**:  Đoàn Xuân Dũng  Bùi Văn Toàn    **Date of Submission:** Jan 16, 2012 |

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| **CERTIFICATE**  This is to certify that is report titled ChatLink embodies the original work done by Đoàn Xuân Dũng and Bùi Văn Toàn, in partial fulfillment of his course requirement at NIIT.  Coordinator:  Phạm Tuân |

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| **ACKNOWLEDGEMENT** |

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| We have benefited a lot from the feedback and suggestions given to us by Mr.Phạm Tuân and other faculty members. |

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| **SYSTEM ANALYSIS** |

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| **System Summary:**  Chat Link is designed as per the following specifications:   * It provides an interface to the users for logging on by providing their user\_id and password. * When user logs on successfully, a list of currently logged on users should be displayed. * The user is able to establish a collection with another user by selecting the name of the user from the list of currently logged on users. * When the user selects another user from the list, a chat window opens that allows the user to type messages to send to the selected user. The user also is able to view the messages received from the selected user. * The list of currently logged on users is available for selection in the original window as long as the user does not log out or close the application. * A user can open multiple chat windows for communicating with multiple users simultaneously. * Each chat window will show the user\_id of the corresponding remote user in its title bar. * The messages sent to particular user are delivered to the designated user only and are displayed in relevant chat window of the recipient. |

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| **SYSTEM ANALYSIS** |

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| Besides Chat Link are designed as per following specifications:   * The user has to provide user\_id and password exactly to be log on system. * The user is able to create a new account, or update password or delete account. * The user is able to type messages to send to all currently logged on users by General Chat. |
| **INDIVIDUAL PROJECT SCHEDULE** | |

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| S.No. | Activity Description | Planned Date of Completion | Actual date | Responsibility | Remarks |
| 1 | Analyze System | 7/12 | 10/12 | Dũng,Toàn |  |
| 2 | Design Graphic User Interface |  | 13/12 | Dũng |  |
| 3 | Design GeneralChat.  We refer to source code on <http://congdongjava.com/showthread.php?t=4876> |  | 15/12 | Dũng,Toàn |  |
| 4 | Design Login |  | 4/1 | Toàn |  |
| 5 | Design Private chat |  | 7/1 | Dũng |  |

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| **SCHEMANTIC DIAGRAM OF THE DATABASE** |

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| **Database name:** Chatting  E:\NIIT\Báo cáo\Giao dien\Noname.bmp |

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| **PROJECT FILE DETAILS** |

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| S.No. | File name | Remarks |
| 1 | Client.java | It provides an interface to the users for logging on by providing their user\_id and password.  When a user logs on successfully, a list of currently logged on users should be displayed.  The user is able to type messages to send to all currently logged on users by General Chat. |
| 2 | DataStream.java | Thread receives and sends messages to server. |
| 3 | PrivateChat.java | When the user selects another user from the list, a chat window opens that allows the user to type messages to send to the selected user.  The user also is able to view the messages received from the selected user. |
| 4 | Registry.java | Registry account. |
| 5 | Update.java | Update password. |
| 6 | Delete.java | Delete account. |
| 7 | Help.java | Information about developers. |
| 8 | Server.java | Interface Server. |
| 9 | ClientConnect.java | Thread receives and sends messages to clients. |

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| **INTERFACE DESIGN FOR CHATLINK** |

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| **E:\NIIT\Báo cáo\Giao dien\Server.bmp**  **Interface Design for Server** |
| **INTERFACE DESIGN FOR CHATLINK** | |

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| E:\NIIT\Báo cáo\Giao dien\Dang nhap.bmp  **Interface Design for Login** |
| **INTERFACE DESIGN FOR CHATLINK** | |

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| E:\NIIT\Báo cáo\Giao dien\Chat chung.bmp  **Interface Design for General Chat** |

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| **INTERFACE DESIGN FOR CHATLINK** |

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| E:\NIIT\Báo cáo\Giao dien\Chat rieng.bmp  **Interface Design for Private Chat** |

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| **INTERFACE DESIGN FOR CHATLINK** |

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| E:\NIIT\Báo cáo\Giao dien\Dang ky.bmp  **Interface Design for Registry Account in Menu Account**  E:\NIIT\Báo cáo\Giao dien\Cap nhat.bmp  **Interface Design for Update Account in Menu Account** |
| **INTERFACE DESIGN FOR CHATLINK** |

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| E:\NIIT\Báo cáo\Giao dien\Xoa.bmp  **Interface Design for Delete Account in Menu Account**  **E:\NIIT\Báo cáo\Giao dien\Thong tin.bmp**  **Interface Design for Information in Menu Help** |

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| **CONFIGURATION** |

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| **Hardware :** Intel core 2 duo processor  **:** 1 GB RAM  **:** 80 GB Hard Drive  **:** Monitor  **:** Keyboard  **:** Mouse  **Operating system :** Windows XP  **Software :** Jdk 1.7.0  **:** Neatbeans 7.0  **:** Microsoft SQL Server 2005 |