EZ Intranet Messenger

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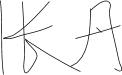
We have compiled and assessed this project and believe it to be of a reasonable size for a term project.





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# **Project Description**

EZIM is an instant messenger application for the intranet network that supports online status notification, file transmission and real time chat with computers connected via LAN. It does not need a centralized server, instead it just finds all other users within the same network by obtaining their IP address from the DHCP server. It runs on a Java Virtual Machine, therefore it works on Windows, Mac OS X and Linux platforms.

The project was authored on August 23rd, 2007 on SourceForge and its last update was on August 30th, 2014. It is currently in stable phase.

# **Project Size and Scope**

**It contains 41 classes and a total of 12181 lines of code, of which 1324 are blank and 8432 are physical executable.**

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| **File** | **LOC** |
| EzimSetting.java | 50 |
| EzimDtxTakerThread.java | 118 |
| EzimLogger.java | 116 |
| Ezim.java | 678 |
| EzimFileRequester.java | 112 |
| EzimFileSender.java | 110 |
| EzimLang.java | 260 |
| EzimImage.java | 220 |
| EzimFileConfirmer.java | 121 |
| EzimAckTaker.java | 206 |
| EzimConf.java | 516 |
| EzimDtxTaker.java | 168 |
| EzimMsgSender.java | 178 |
| EzimContactList.java | 567 |
| EzimSound.java | 198 |
| EzimContact.java | 230 |
| EzimFrxList.java | 93 |
| EzimFtxList.java | 93 |
| EzimException.java | 45 |
| EzimContactTransferHandler.java | 337 |
| EzimAckSender.java | 123 |
| EzimFileResponder.java | 115 |
| EzimThreadPool.java | 62 |
| EzimPlainDocument.java | 55 |
| EzimAckSemantics.java | 448 |
| EzimDtxSemantics.java | 892 |
| EzimMsgIn.java | 488 |
| EzimTextArea.java | 193 |
| EzimContactListRenderer.java | 99 |
| EzimMsgOut.java | 564 |
| EzimPreferences.java | 1391 |
| EzimTextEditingPopupMenu.java | 185 |
| EzimLocaleListRenderer.java | 73 |
| EzimLocalAddressListRenderer.java | 73 |
| EzimLocalNIListRenderer.java | 73 |
| EzimMain.java | 1144 |
| EzimFileIn.java | 663 |
| EzimFileOut.java | 487 |
| EzimPlaza.java | 399 |
| EzimTextField.java | 176 |

# **Group Members**

**Tamyres**: I have professional experience with Visual Basic .NET (Visual Studio), SQL (SQL Server) and JavaScript. My experience with Java has been purely academic so far (I haven’t used it in a real project at work), but I believe I have enough knowledge to perform the Java refactoring. I also had some contact with the C and C++ languages in the beginning of my studies a few years ago.

**Vicranth**: I have intermediate experience with Java (eclipse), C++ (Visual Studios) and professional web development experience from my co-op internship last fall. I am an active learner and strongly believe that learning refactoring techniques prove to be a useful skill for an effective and efficient coding ethic.

**Goaba**: I have no prior experience with Java, however, I am currently learning it. I have done most of my academic projects in C++ using both Eclipse and Visual Studio. I am currently working on an Auction System that comprises several clients and a server and it is implemented in C++ which I can use on this project since it is also based on the client/server architecture.

**Dan**: I started out programming from Java, and have done a few academic projects in Java using Eclipse. I am reading the recommended material for refactoring--Refactoring: Improving the Design of Existing Code, which I find quite fascinating. I will be doing coding work for the project. I will take this project as a precious chance to learn refactoring techniques and at the same time learn a new technology.

**Sarah**: I have no experience with Java nor with Eclipse but I have good knowledge in C# and C++ very well and I’m a fast learner. I am used to Oriented Object languages and refactoring so I can be useful in both the coding and documentation components.