**User Manual for RUM System**

This will be a basic guide using our RUM system including: (1) installing the necessary components to your computer; (2) running the server for the application program; and (3) starting up the client program on your computer.

This system is a client/server application that checks requirements for a student’s graduation. It allows students to upload/add courses they have taken including their grades and if they are transfer credits. They can then check these classes against a list of requirements for whatever major they have selected. Then based off what requirements they have not met the system can generate a suggested schedule of classes they can take to graduate. The system also allows for user admins to log in, add/edit/remove majors and departments, add/edit/remove requirements for majors and upload/add course offerings for a school.

**Installing/Configuring/Starting Rum System on Server Side**

To use this system the user must have the following on their computer:

* Apache Derby – See http://db.apache.org/derby/derby\_downloads.html

**Running the Server Program.** User must run this before using the client.

1. Download the server .JAR executable file.
2. Double click the server .JAR executable file.

You can now proceed to running the client application.

**Installing/Configuring/Starting Rum System on Client Side**

To use this system the user must have the following on their computer:

* Java Runtime Environment – See <http://www.java.com/en/download/index.jsp>

**Running the Client.** For the client side there is no actual install on the computer.

Note: User must have the associated server running before using the client.

1. Download the client .JAR executable file.
2. Double click the client .JAR executable file.

You can now begin to use the RUM system.