**Final Project:**

**ObjectDraw**

**Schedule Analysis Document**

May 5, 2009  
  
v1.2  
  
**Group One**  
Joseph Trapani  
Ben Helppi  
Satpreet Singh  
Mark D'Souza  
Amanda Parker

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| Dates | Tasks Performed | Finalized Components, Individual Tasks and Research | Task Details:  *Document and Code versions per section* | Intended Schedule Items: |

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| April 1-10 ***Pre-production*** | **Tasks**  - Initial Contact - Overall Design - Architecture - Schedule - SVN Coordination - Use Cases - Communication Model - High Level Specifications - Presentation (4-8 in-class)  **Meetings:** 4-1: (4:00-4:20) 20 min 4-3: (3:30-4:45) 75 min 4-8: (3:30-4:45) 75 min  4-10: (8:30-9:30) 60 min ***\*Online***  **Status Update:** 4-8: **Ben *(Wed, Apr 8, 2009) Status Report for Team One* Presentation:** 4-10: (3:30-4:20) ***\*in class***  **Deliverables:**  Development Plan Architecture Doc Specification Doc Use Case Doc Mock-up Graphic Presentation PPT | **Ben**: Architecture overview & Tech choices **[research]** **Ben**: Comm. model, esp. mastership **[doc]** **Mark**: Schedule **[doc]** **Amanda**: Risks **[doc]** **Amanda**: Process **[doc]** **Satpreet**: Mock-ups **[research] [doc]** **Joe**: Requirements specification **[doc]** **Joe**: Transfer control **[doc]** **Joe**: Join session **[doc]** **Joe**: Check user alive **[doc]** **Mark**: Object event **[doc]** **Mark**: Save **[doc]** **Amanda**: Load session **[doc]** **Amanda**: Add tool/ pass tool **[doc]** **Amanda**: Leave session **[doc]** **Joe:** Coordinating Presentation **[doc]** **Amanda:** Coordinating Use Case Document**[doc]** **Joe** and **Satpreet:** Coordinating Deliverable: ***(Fri, Apr 10, 2009 at 10:48 PM) "MultiDraw Submission -- Apr 10th"*** **[doc]** **Ben:** Coordinating Status 4-3, 4-10 **[doc]** | **Joe**: Added Use Cases to SVN. Revised passing control, joining session, and keepalive use cases. **Mark**: Created Use Case Document v1.0 **Amanda**: Added to Use Case Document v1.1 **Satpreet**: Created Mock-Up v1.0 **Ben**: Created Architecture diagram v1.0 **Mark:** Created Project Iteration Schedule doc v1.0 **Joe:** Created Presentation v1.0 **Amanda:** Added Presentation slides (Process,Risks) v1.1 **Satpreet:** Added Mock-up to PPT, SOAP vs RMI slides Presentation v1.2 **Mark:** SOAP vs RMI,  Technology Choices slides to Presentation v1.3 **Ben:** Architecture slides to Presentation v1.4  **SVN Revisions:**  r01 - r27 | **YES**  Initial Contact  **YES**  Schedule  **YES** Architecture  **YES**  Design & Technology Choices  **YES**  High Level Specifications  **YES** Development Plan  **YES** Presentation (4-10) |

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| April 11-15 ***Iteration 1*** | **Tasks** - Analyzed how our presentation went. - Decided sockets may better meet our needs. - Created an example to meet our first iteration. - Laid out network data to plan for the second iteration. - Assigned code tasks to meet the third/fourth iterations. -Integrating Codebase  **Meetings**: 4-15: (3:30-6:00) 2.5 hrs ***\*Rockwell*** | **Mark**: Socket programming and serialization **[research]** **[code]** **Satpreet:** Architecture **[analysis]**  **Everyone**: Presentation **[analysis]**  **Joe:** Freehand Drawing **[research]** **[code]** **Satpreet** & **Ben:** Broker and MVC architecture **[research]** **Satpreet** & **Ben:** Java sockets **[research]** **[code]** **Joe:** Mini-project comparison and integration **[research]** **[code]** **Ben:** Object sending & receiving over network **[research]** **[code]** | **Mark**: Created Socket\_Sample v1.0      **Revisions**: r28 - r35 | **YES** Understand underlying technology **YES** Connect to another peer  **YES** Basic GUI **YES** Pass an object over network **YES** Acknowledge reception of object in some way |  |  |  |  |  |

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| April 16-19 ***Iteration 2*** | **Status Update:** 4-18: **Ben *(Sat, Apr 18, 2009) "Weekly update***  ***from Team One"*** | **Ben:** Master/client handshaking **[code] Ben:** Object sending & receiving over network **[code]** | **Revisions:** r36 - r44 | **YES** Establish a hierarchy of objects sent over network **YES** Acknowledge reception and recognize object received |

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| April 20-26 ***Iteration 3*** | **Meetings:** 4-22: (3:30-6:00) 2.5 hrs ***\*Cedar Rapids***    **Tasks:** - Network event/object transfer - Chat - GUI - Save/Load Sessions | **Mark:** Save/Load Sessions **[research]**  **Joe:** Save/Load Integration **[code]** **Ben:** Network object transfer **[code]** **Ben:** Networked Canvas events **[code]  Amanda:** GUI **[research]**  **Satpreet**: ChatPeer **[research]** **[code] Ben & Joe:** Testing *(classpath error)* **[code] [test]** | **Revisions:** r45 - r74 | **YES** Setup networking model *(how we send/receive events, canvas, objects, etc.)* **YES**\* Make new GUI supporting collaboration  **YES** Make canvas receive a session “owner’s” canvas in real-time **YES**\* Display network object feedback on chat window (layered event feedback) **NO *Deferred*** (Optionally) Make P2P chat work |

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| April 27-May3 ***Iteration 4*** | **Tasks:** - P2P Communication Integration - GUI Integration - Dynamic Class Loading   **Meetings**: 4-26: (10:00a-1:00p) 3 hrs ***\*Eng Bldg*** 4-29: (3:30-4:20) 50 min ***\*Eng Bldg*** | **Satpreet:** P2P Communication Integration**[code]** **[research]**  **Ben:** Code Cleanup (instantiation style, chatpanel)**[code]** **Ben:** New Functionality**[code]** **Joe:** Fixed Chat GUI (chat window)**[code]**  **Amanda:** Initial ChatPanel layout **[code]** **[research]**  **Satpreet:** Minor code cleanup **[code]**  **Joe:** GUI integration **[code]**  **Amanda:** GUI integration **[code] Joe** & **Satpreet:** Dynamic Class Loading **[research]** | **Revisions:** r75 - r104 | **YES** Implement transfer of “ownership” **YES** Loading and saving session (canvas + objects) **NO** Dynamic tool loading **NO** Tool sending and receiving over network **YES**\*Network robustness/optimization |

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| May 4-6 ***Post-production*** | **Tasks:** - Final Documentation - Peer Discovery - Chat Integration - Testing  - Presentation  **Meetings**: 5-1: (3:30-4:20) 50 min ***\*Eng Bldg*** 5-3: (10:00a-?) ? ***\*Eng Bldg***  **Presentation:**  5-6: (3:30-4:20) ***\*in class*** 5-6: *Planned* ***\*Prof. Kuhl's Office*** | **Amanda**: Coordinating Documentation **[doc]**  **Satpreet**: Coordinating Documentation **[doc]** **Mark**: Coordinating Presentation **[doc] Ben**: Coordinating Presentation **[doc] Ben** & **Joe**: Peer discovery and Chat **[research]** **[code] Ben:** GUI final touches **[code] Ben:** Network final touches **[code]** **Ben:** Testing issue: *Clear button* **[test]**  **Joe:** Testing issue: *Chat auto newline* **[test]** | **Revisions:** r105 - r135 **Satpreet**: Created final submission folder on SVN  **Satpreet**: Created MultiDraw Final Documentation v1.0 **Satpreet**: Created Final Presentation v1.0 **Amanda**: Created Schedule Analysis Document v1.0 | **YES** Final Documentation **YES** Presentation |

**NOTES:**

**Meetings** are assumed to be in person, face to face, unless otherwise noted.  
**Status Updates** are listed with the email subject in quotes and the email date in parentheses.

**DEFINITIONS:**

**"Coordinating"** a document involves data/item collection from team members, file management (updating and location information), version logging, formatting and finalizing data.  
**"Creating"** a document means the document was placed in the repository or in group public access and that document served as the initial basis for future additions.   
**"Adding"** to a task means the team member edited the original document with more information.  
**"Deliverable"** is a submission package that contains all details relevant to our current outlined goal that are to be delivered to Professor Kuhl. As these are email submissions, the subject line and date of the submission is listed for reference.  
**"Status"** in reference to coordination is the relaying of relevant project accomplishments and task progress to Professor Kuhl.

**TAGS:**

**[doc]** is used to describe any work pertaining to the creation, adding or coordination of any deliverable documentation from pre-production through final-production, including presentations.  
**[analysis]** is used to describe an activity that reviews feedback from Professor Kuhl either in the form of direct review of previous submission or in lecture items brought up during class.  
**[research]** is used to describe any activity that furthers the knowledge and tools necessary for the accomplishment of a requirement. It may include data collecting, example code and prototypes or mock-ups.  
**[code]** is specifically work that modified the current code on SVN in order to meet a specific requirement.  
**[test]** is any error discovery and resolution process that involves code on SVN.  
**"YES**" in the Intended Schedule Items denotes an item that was fulfilled as per our guidelines in the time required.  
**"YES**\*" *(with an asterisk)* denotes an item is essentially done, or fulfills a requirement, but that it is either not incorporated into the code on SVN or that the group would like to expand on the component before it is integrated.  
**"NO"** in the Intended Schedule Items denotes an item that was canceled (usually made defunct by a merge), deferred to a later iteration, or otherwise removed from the project plans. The reason for the task's status will be described in parentheses as: ***Deferred*** or ***Removed***.

**REVISION LOG:**

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| **Version** | **Editor** | **Date** | **Change** |
| v1.0 | Amanda | 5-3-09 | Document Created, initial data and organization, definitions, tags and scheduled activities for main table specified. |
| v1.1 | Amanda | 5-4-09 | Added post-production data |
| v1.2 | Amanda | 5-5-09 | Revised for final edition, format, error correction and final post-production phase data. |