**Course number: CSE 5911 Instructor**: **CSE** **5911, Al Cline** **Semester,** **Section: AU18, MTR220**

**Project: Student team**:  **Date:**

**Corp Client: Sponsor:**

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|  | **1** | **2** | **3** | **4** | **Points Assigned** |
| **Problem Formulation** | Unclear formulation; relation to original requirements not mentioned, nor changes in scope. | Mostly clear but relation to original requirements and/ or rationale for changes in scope not clear. | Satisfactory formulation;  Relation to client's original requirements, changes in scope and rationale thereof mostly clear with some gaps. | Excellent problem formulation; Relation to client's original requirements and changes in the scope, if any, explained and justified. |  |
| **Comment:** | | | | | |
| **Design Approach** | Poor design; No exploration of alternative approaches; No attention to effective use of resources. | Some attention to alternative design approaches but not a careful analysis of their their advantages/ disadvantages; Team picked an approach based on superficial comparisons. | Careful consideration of alternative design approaches and their resource requirements; Not all trade-offs fully analyzed. | Thorough consideration and evaluation of a good set of design approaches; Careful analysis of resource requirements of each and the resulting trade-offs; Where appropriate, client's input sought before making final choice. |  |
| **Comment:** | | | | | |
| **Implementation** (including resource  considerations, testing approach, adherence to  standards, etc. If  implementation is  incomplete, assess based on current state.) | Not even basic consideration  of memory and other resource requirements;  System is very buggy.  No systematic testing, nor use of standard approaches/processes such as agile. | Limited amount of attention to memory and other resource usage; Team has followed a standard (agile/  waterfall/ ...) process but not consistently. Team has put some effort into  systematic testing but some bugs remain | Careful attention to memory and other  resource usage and how system might scale with increased demand for  services; The team adopted and mostly  followed a standard process in its work;  The team used a systematic approach to testing and the system seems bug-free. | Meticulous attention to resource usage and to  user interface factors;  Has ensured that system can evolve to deal with increased demand for services. Team has consistently followed a standard process in its work. Adopted a suitable testing approach, followed it systematically, and thoroughly tested the  system. Client involved at all appropriate points. |  |
| **Comment:** | | | | | |
| **Other Factors (**use of professional  tools, security  considerations, ethical issues.) | Little attention paid to factors beyond minimal functional requirements;  No systematic use of  professional tools; Ethical issues related to system and impact on society  not considered. | Some use of common tools seen in earlier courses;  Modest effort to ensure basic reliability and security properties; Mostly ignored ethical issues and potential impact on society of systems of this kind. | Good use of professional tools going beyond ones previously seen; System designed to be reliable/ secure under normal operation and under  stress; Some consideration of impact of system on society including potential harm system may cause in some situations. | Excellent use of professional tools and  systems, identified by careful research; Detailed analysis of security holes with implementation designed to deal with ones that can be reasonably handled and  documentation of rest;  Analysis of ethical issues related to system and its impact on society including implications of ACM/IEEE Code as it applies to the system, in consultation with client. |  |
| **Comment:** | | | | | |
| **Effectiveness as a project team** | Dysfunctional team; members blamed each other for problems in project; Team spirit completely lacking. | Team functioned at minimal level of effectiveness; Members concentrated on distinct  parts of system without concern for impact on other members' work. In presentations, individual members did not make any attempt to help other members address audience questions. | Generally effective team;  Embers interested in presenting a positive picture of the team's work; Members helped each other during team presentations. Team members had a general idea of other members' work. | Very effective team; Team members went out of the way to describe how each member contributed to various aspects of project.  Team worked as a cohesive unit during  presentations, with members seamlessly  handing over the conversation from one to  another to answer questions etc. |  |
| **Comment:** | | | | | |
| **Effectiveness of written communication** (presentation slides, associated docs) | Documentation consisted of little more than (poorly  commented) system code; Hardly any mention of system's scope, design rationale, implementation choices, etc. | Documentation mostly effective at conveying main aspects of project including scope and design/  implementation choices (but not the rationale behind the choices);  Skimpy user manual;  Information future teams may need to evolve system lacking | Team's documentation clearly presented all important aspects of  project: original scope, changes made,  implementation choices, processes used etc. Test scripts and important parts of code explained; Lessons learned were summarized; Well-written user manual. | Excellent documentation;  Project's original scope, design choices, relevant code details, processes and tools used, and test scripts all described in a  structured and integrated manner; Information to enable future designers to evolve system included; Well-designed user manual provided all  necessary information;  Illustrations, graphics, and layout executed to  excellent effect. |  |
| **Comment:** | | | | | |
| **Effectiveness of oral communication** | Presentations not effective; Failed to present information  about some essential aspects of project; Team members ineffective in responding to even simple questions. | Presentations adequate at conveying main ideas behind project including  design choices etc. but not engaging or inspiring. Team responded appropriately to specific questions about specific  aspects of project but some responses were unclear. | Presentations were well done and presented all important aspects of  project; Team explained rationale behind its  choices and summarized important lessons learned; Responses to questions were reasonable although some went into too much technical detail, compromising their effectiveness. | Team's presentations were polished, informative and engaging.  In answering questions, the team provided the  right level and type of detail for questions  ranging from implementation detail to test methodology to future evolution of project. |  |
| **Comment:** | | | | | |

**Specific to Agile User Demos** (‘pts’ = story points)

\_\_\_ Product backlog ( pts) \_\_\_ Release burn-up (avg vel = pts) \_\_\_ Iteration burn-up charts

\_\_\_ Ran regression test suite ( tests) \_\_\_ Defect trend chart ( defects)

**General Comments**: