**Effort Estimate**

**Sprint 1 of the Linear Algebra Software**

This estimate assumes that the web system specified in the Linear Algebra Sprint1 Use Case diagram is implemented using a Model-View-Controller design pattern. NOTE: The option for an instructor to see the work of a student is NOT considered here.

**Object Point Calculation**

|  |  |  |  |
| --- | --- | --- | --- |
| Screens | | | |
| Screen | Complexity | Obj Points | Notes |
| Student Problems Access | 1 | 1 | The screen will have to be dynamically constructed. |
| Student Problem Working Page | 3 | 2 | This screen will be complex, since each space of a matrix will be filled in for each possible step. |
| Subscreens |  |  |  |
| Matrix Screens | 1 @ 3 | 3 | Screens containing each matrix will be somewhat complex, being dynamically generated. |
| Problem Instruction for Student | 1 @ 1 | 1 | The screen containing text describing the requirement for completion of a problem would be dynamically generated. |
| Screen Total |  | **7** |  |
| 3GL Modules | | | |
| Controller Modules | 1 @ 10 | **10** | Each screen may require a controller class be written in C#. |
|  |  | **17** |  |

**Productivity Estimate**

PROD = 11 Justification: Developers overall have limited experience in ASP .NET and some experience with the MVC framework.

**Effort Estimate (PM)**

**effort = 17/11 = 1.55 PM**