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| CREDIT MEMO  Date: December 8, 2016  Credit #100 | Team SegFault |

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| Team SegFault  University of North Dakota  Grand Forks, ND  teamsegfault@gmail.com | To | US Government  Federal Aviation Administration  Billing Department  Customer ID A87FG53 | JOB | Design and Implementation of Air Traffic Control System  Rate: $125/hour for a team  Lindsey Wingate (50%)  Sadie Sorenson (50%) |

| Hours | Description | project phase | line total |
| --- | --- | --- | --- |
| 11.25 | Development of Static Layout | Phase 1 | 1406.25 |
| 8.65 | Visual Design Elements (color scheme, final static layout decided, airplanes) | Phase 2 | 1081.25 |
| 14.2 | Integration of motion into design. Coordinate system implemented | Phase 3 | 1775.00 |
| 7.8 | Collision Avoidance algorithm developed and applied to system | Phase 4 | 975.00 |
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|  |  | Subtotal | $5237.50 |
|  |  | Tax | $576.13 |
|  |  | Total | $5813.63 |