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| **Iteration 1** | | | |
| **Task ID** | **Name** | **Duration (Days)** | **Predecessor** |
| 1 | Read Project Wiki as a Team | 1 |  |
| 2a | Schedule tasks for Iteration 1 | 1 | 1 |
| 2b | Plan subsequent iterations | 1 | 1 |
| 3 | Create login page with welcome message | 1 | 2a, 2b |
| 4 | Create user’s database and complete authentication for login | 2 | 3 |
| 5a | test login functionality | 1 | 4 |
| 5b | Create basic add bid function | 1 | 4 |
| 5b\_1 | test add bid functionality | 1 | 5b |
| 5a\_1 | Create bootstrap without validation | 3 | 5a |
| 5b\_2 | Add bid e-dollar functionality | 1 | 5b\_1 |
| 5a\_2 | Bootstrap validation | 1 | 5a\_1 |
| 5b\_3 | Create cart function | 1 | 5b\_2 |
| 5a\_3 | Bootstrap logical validation | 1 | 5a\_2 |
| 5b\_4 | Add bid validation | 1 | 5b\_3 |
| 5a\_4 | Test bootstrap | 1 | 5a\_3 |
| 5b\_5 | Test add bid and cart | 1 | 5b\_4 |
| 6 | Integrate login, bootstrap and add bid | 1 | 5a\_4, 5b\_5 |
| 7 | Test iteration 1 | 1 | 6 |
| 8 | Iteration 1 review and create slides | 1 | 7 |
| 9 | Plan for other iterations | 1 | 8 |

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| **Iteration 2** | | | |
| **Task ID** | **Name** | **Duration (Days)** | **Predecessor** |
| 1 | PM Review Preparation | 1 |  |
| 2a | Complete Add bid and Bootstrap logical validation | 2 | 1 |
| 2b | Create Result Table for add bid | 1 | 1 |
| 3 | Testing for Add bid and bootstrap validation | 1 | 2a, 2b |
| 4 | AWS Deployment | 1 | 3 |
| 5a | Create Drop bid button and page | 1 | 4 |
| 5a\_1 | Delete row function in BidDAO | 1 | 5a |
| 5a\_2 | Process form to call drop function | 1 | 5a\_1 |
| 5a\_3 | Testing and Debugging Delete bid | 1 | 5a\_2 |
| 5b | Create Update bid button and page | 1 | 4 |
| 5b\_1 | Update row function in BidDAO | 1 | 5b |
| 5b\_2 | Process form to call Update function | 1 | 5b\_1 |
| 5b\_3 | Testing and Debugging Update bid | 1 | 5b\_2 |
| 6 | Understand JSON checker | 1 | 5a\_3, 5b\_3 |
| 7 | Complete JSON for all functionalities | 1 | 6 |
| 8 | Testing and Debugging JSON | 1 | 7 |
| 9 | Iteration testing and deployment | 1 | 8 |
| 10 | Prepare for Online and PM review | 2 | 9 |

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| **Iteration 3** | | | |
| **Task ID** | **Name** | **Duration (Days)** | **Predecessor** |
| 1 | Understand clearing logic | 1 |  |
| 2 | Create Admin page, Start and End round function | 1 | 1 |
| 3 | Create process page and round 1 data storage | 2 | 2 |
| 4 | Test and Debug round function | 1 | 3 |
| 5a | Create drop form | 1 | 4 |
| 5a\_1 | Create drop function | 1 | 5a |
| 5a\_2 | Create drop process page to drop bid or section | 2 | 5a\_1 |
| 5a\_3 | Testing and Debugging Drop bid | 1 | 5a\_2 |
| 5b | Learn about Dump table | 1 | 4 |
| 5b\_1 | Create Dump course, student, section | 1 | 5b |
| 5b\_2 | Create Dump prerequisite, course\_completed, bid | 1 | 5b\_1 |
| 5b\_3 | Test and debug dump function | 1 | 5b\_2 |
| 6 | Iteration and Testing | 2 | 5a\_3, 5b\_3 |
| 7 | Debugging | 2 | 6 |
| 8 | Preparation UAT | 2 | 7 |
| 9 | AWS deployment | 1 | 8 |

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| **Iteration 4** | | | |
| **Task ID** | **Name** | **Duration (Days)** | **Predecessor** |
| 1a | User Acceptance Test (UAT) | 1 |  |
| 1b | AWS Deployment | 1 |  |
| 2 | Testing and Debugging | 8 | 1a, 1b |
| 3 | Retrieve UAT result | 1 | 2 |
| 4 | Redeployment | 1 | 3 |
| 5 | Prepare for Final Presentation | 2 | 4 |

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| **Iteration 5** | | | |
| **Task ID** | **Name** | **Duration (Days)** | **Predecessor** |
| 1 | Prepare for Final Presentation | 3 |  |