# Project Milestones

|  |  |
| --- | --- |
| Date | Artifact |
|  | 1. Trainee
 |
|  | * 1. User Tutorial
 |
| 2013+ | * + 1. Voiceover
 |
| 2013+ | * + 1. Update to Maya?
 |
|  | * 1. Login
 |
| Fall 2008 | * + 1. Main browser login message
 |
| Fall 2008 | * + 1. User Login
 |
| Fall 2008 | * + 1. Position Login
 |
| Fall 2008 | * + - 1. Select Role to Be
 |
| Spring 2009 | * + - 1. Select Script to Use for Exercise
 |
|  | * 1. Common Operating Picture
 |
| Fall 2009 | * + 1. Starting Status
 |
| Fall 2009 | * + - 1. Check Starting Status
 |
| Fall 2010 | * + - 1. Create ability to have multiple starting statuses
 |
| Spring 2010 | * + 1. Exercise Background
 |
| Fall 2010 | * + - 1. View Player Handbook
 |
| Spring 2009 | * + - 1. View EOC Floor Plan
 |
| 2013+ | * + - * 1. Update to interactive floor plan
 |
| Summer 2010 | * + 1. Road Closures
 |
| Summer 2010 | * + - 1. Check Status of Road Closures
 |
| Summer 2010 | * + - 1. Create Status of Road Closures
 |
| Summer 2010 | * + - 1. Edit/Update status of Road Closures
 |
| 2013+ | * + - 1. Dynamic status updates
 |
| Summer 2010 | * + 1. Shelters
 |
| Summer 2010 | * + - 1. Check Status of Shelters
 |
| Summer 2010 | * + - 1. Create Status of Shelters
 |
| Summer 2010 | * + - 1. Edit/Update status of Shelters
 |
| 2013+ | * + - 1. Dynamic status updates
 |
| Summer 2010 | * + 1. Hospitals
 |
| Summer 2010 | * + - 1. Check Status of Hospitals
 |
| Summer 2010 | * + - 1. Create Status of Hospitals
 |
| Summer 2010 | * + - 1. Edit/Update status of Hospitals
 |
| 2013+ | * + - 1. Dynamic status updates
 |
| Summer 2010 | * + 1. Points of Distribution (PODs)
 |
| Summer 2010 | * + - 1. Check Status of PODs
 |
| Summer 2010 | * + - 1. Create Status of PODs
 |
| Summer 2010 | * + - 1. Edit/Update status of PODs
 |
| 2013+ | * + - 1. Dynamic status updates
 |
| Fall 2010 | * + 1. Disaster Map
 |
| Fall 2010 | * + - 1. View the Disaster Map
 |
| Fall 2010 | * + - 1. Edit/Update Disaster Map
 |
| Fall 2010 | * + - 1. Clear Disaster Map
 |
| Fall 2010 | * + - 1. Save Disaster Map
 |
| 2013+ | * + - 1. Tag GIS information on Map
 |
| 2013+ | * + - 1. Dynamically update GIS information on the map
 |
|  | * 1. Mission/Tasks
 |
| Summer 2010 | * + 1. Create a Mission/Task
 |
| Summer 2010 | * + 1. Edit/Update Mission/Task
 |
| Summer 2010 | * + 1. Delete Mission/Task
 |
| 2013+ | * + 1. Dynamic status updates
 |
|  | * 1. Resource Requests
 |
| Summer 2010 | * + 1. Submit a Resource Request
 |
| 2013+ | * + - 1. Add standardized FEMA resource typing
 |
| Summer 2010 | * + 1. Edit/Update a Resource Request
 |
| Summer 2010 | * + 1. Delete a Resource Request
 |
| Summer 2010 | * + 1. Check the status of a Resource Request
 |
| 2013+ | * + 1. Dynamic status updates
 |
|  | * 1. Significant Events
 |
| Summer 2010 | * + 1. Post a Significant Event
 |
| Summer 2010 | * + 1. Edit a Significant Event
 |
| Summer 2010 | * + 1. Delete a Significant Event
 |
| 2013+ | * + 1. Dynamic status updates
 |
|  | * 1. Position Log
 |
| Summer 2010 | * + 1. Post a Position Log
 |
| Summer 2010 | * + 1. Edit a Position Log
 |
| Summer 2010 | * + 1. Delete a Position Log
 |
|  | * 1. Logistics
 |
| Fall 2010 | * + 1. Acquire a Contract Resource
 |
| Fall 2010 | * + - 1. In-house
 |
| Fall 2010 | * + - 1. Out-house
 |
| 2013+ | * + - * 1. Log to EM Constellation
 |
| 2013+ | * + - 1. Dynamic status updates
 |
| Summer 2010 | * + 1. Approve a Resource Request
 |
| Summer 2010 | * + - 1. Update a Resource Request
 |
| Summer 2010 | * + - * 1. Change the status of resource request
 |
| Fall 2010 | * + - * 1. Add notes section to resource request updates
 |
|  | * 1. Planning
 |
| Fall 2010 | * + 1. Create Incident Action Plans
 |
| Fall 2010 | * + 1. Edit Incident Action Plans
 |
| 2013+ | * + 1. Delete Incident Action Plans
 |
|  | * 1. Disaster Assistant
 |
| Fall 2010 | * + 1. Ask a Question to the Disaster Assistant
 |
| 2013+ | * + 1. Update disaster assistant?
 |
|  | * 1. Dashboards
 |
| Fall 2010 | * + 1. Lives Saved, Injured, Deceased
 |
| Fall 2010 | * + - 1. Add dashboard data
 |
| Fall 2010 | * + - 1. Update dashboard data
 |
| Fall 2010 | * + - 1. Delete dashboard data
 |
| Fall 2010 | * + 1. Cost to county
 |
| Fall 2010 | * + - 1. Add dashboard data
 |
| Fall 2010 | * + - 1. Update dashboard data
 |
| Fall 2010 | * + - 1. Delete dashboard data
 |
| Fall 2010 | * + 1. View a dashboard
 |
|  | * 1. Injects
 |
| Fall 2009 | * + 1. Acknowledge inject
 |
| Fall 2009 | * + 1. Clarify an inject
 |
| Spring 2010 | * + 1. Respond to Injects
 |
| Fall 2009 | * + 1. Review Received Injects
 |
| Spring 2011 | * + 1. Log injects
 |
|  | * 1. Chat
 |
| Fall 2009 | * + 1. Initiate Chat
 |
| Fall 2009 | * + 1. End Chat
 |
| Fall 2009 | * + 1. Receive Chat
 |
| Fall 2009 | * + 1. Accept Chat
 |
| Fall 2009 | * + 1. Reject Chat
 |
|  | * 1. Logout
 |
| Fall 2009 | * + 1. Release trainee role
 |
|  | * 1. Create Help files
 |
| 2013+ | * + 1. Find/use automatic help file creator
 |
|  | * 1. Logging
 |
| Spring 2011 | * + 1. Log chats
 |
| Spring 2011 | * + 1. Log significant events
 |
| Spring 2011 | * + 1. Log user actions during the exercise
 |
| Spring 2011 | * + - 1. log user response to injects
 |
| Spring 2011 | * + 1. log position logs
 |
|  | * 1. Loose Ends
 |
| Fall 2010 | * + 1. Add validation controls to interfaces
 |
| 2013+ | * + 1. Update Chat program?
 |
|  | * 1. Logout
 |
| 2013+ | * + 1. Automatic logout if time expires
 |
| 2013+ | * + 1. Automatic logout if user closes windows without logging out
 |
|  |  |
|  | 1. Exercise Developer
 |
|  | * 1. Login
 |
| Fall 2009 | * + 1. Main browser login message
 |
| 2013+ | * 1. User Tutorial
 |
| Fall 2010 | * 1. Handbook Developer
 |
| Fall 2010 | * + 1. Update the handbook developer
 |
| Fall 2010 | * + 1. Add figures to handbook developer
 |
| Fall 2010 | * 1. Starting Status
 |
| Fall 2010 | * + 1. Create starting status
 |
| Fall 2010 | * + - 1. Update starting status
 |
| Fall 2010 | * + - * 1. Text
 |
| Fall 2010 | Insert text |
| Fall 2010 | Update text |
| Fall 2010 | * + - * 1. Figures
 |
| Fall 2010 | Insert figure |
| Fall 2010 | Change figure |
| Fall 2010 | Delete figure |
| Fall 2010 | * + - 1. Create multiple starting status reports
 |
|  | * 1. Target Capabilities
 |
| Fall 2010 | * + 1. Target Capabilities
 |
| Fall 2010 | * + - 1. Add target capabilities to script
 |
| Fall 2010 | * + - * 1. Add new target capability
 |
| Fall 2010 | * + - * 1. Add target capability from database
 |
| Fall 2010 | * + - 1. Edit target capabilities
 |
| Fall 2010 | * + - 1. Delete target capabilities from script
 |
|  | * + 1. Target Capability Metrics
 |
| Fall 2010 | * + - 1. Add target capability metrics to script
 |
| Fall 2010 | * + - * 1. Add new target capability metric
 |
| Fall 2010 | * + - * 1. Add target capability metric from database
 |
| Fall 2010 | * + - 1. Edit target capability metrics
 |
| Fall 2010 | * + - 1. Delete target capability metrics from script
 |
|  | * + 1. Exercise Objectives
 |
| Fall 2010 | * + - 1. Create exercise objectives
 |
| Fall 2010 | * + - 1. Add exercise objectives to script
 |
| Fall 2010 | * + - 1. Delete exercise objectives to script
 |
| Fall 2010 | * + 1. Create exercise handouts for evaluators
 |
|  | * 1. Scripting
 |
| Fall 2009 | * + 1. Create a Script
 |
| Fall 2009 | * + 1. Edit Script
 |
| Fall 2009 | * + - 1. Injects
 |
| Spring 2010 | * + - * 1. Add inject from Database
 |
| Fall 2009 | * + - * 1. Add New Inject
 |
| Fall 2009 | * + - * 1. Delete an inject from the script
 |
| Fall 2009 | * + - * 1. Edit an inject
 |
| 2013+ | * + - * 1. Move Injects Around Ad-hocly
 |
| Fall 2009 | * + 1. Delete Script
 |
| 2013+ | * + 1. Import/Upload Script
 |
| 2013+ | * + 1. Export Script
 |
| 2013+ | * + 1. Archive Script
 |
| 2013+ | * + - 1. Recall/View Archived script?
 |
|  | * 1. Database controls
 |
| Fall 2010 | * + 1. Clear the logs for the script
 |
| Fall 2010 | * + 1. Reset the logs for the script
 |
| Fall 2010 | * + 1. Clear the logs for the player
 |
|  | * 1. Exercise Controller
 |
| 2013+ | * + 1. User Tutorial
 |
| Spring 2010 | * + 1. Control the Exercise
 |
| Spring 2010 | * + - 1. Start Exercise
 |
| Spring 2010 | * + - 1. Pause Exercise
 |
| Spring 2010 | * + - 1. Terminate Exercise
 |
| Spring 2010 | * + - 1. Next Block
 |
| Spring 2010 | * + - 1. Fast Time
 |
| 2013+ | * + - 1. Move Injects Around Ad-hocly
 |
|  | * + 1. Player Reports
 |
| Spring 2011 | * + - 1. View Player Reports
 |
| Spring 2011 | * + - 1. Filter player reports
 |
| Spring 2011 | * + - 1. Sort player report elements
 |
| Spring 2011 | * + - 1. More detailed player reports
 |
| Spring 2011 | * + 1. Logout
 |
|  | * 1. Loose Ends
 |
| Spring 2011 | * + 1. Add validation controls to interfaces
 |
|  |  |
|  | 1. Researcher
 |
| Fall 2010 | * 1. Login
 |
| Fall 2010 | * + 1. Main browser login message
 |
|  | * 1. Choose Exercise Metrics
 |
| Fall 2010 | * + 1. Percentage injects received but not responded to (missed)
 |
| Fall 2010 | * + 1. Average inject response time (when does response time start and end?)
 |
| 2013+ | * + 1. Correctly respond to injects
 |
| 2013+ | * + 1. Response to injects within capability metrics
 |
|  | * 1. View Chat Logs
 |
| 2013+ | * + 1. Analyze chat logs
 |
| 2013+ | * + - 1. Sort chat log elements
 |
| 2013+ | * + - 1. Filter chat log elements
 |
|  | * 1. View Position Logs
 |
| 2013+ | * + 1. Analyze position logs
 |
| 2013+ | * + - 1. Sort position log elements
 |
| 2013+ | * + - 1. Filter position log elements
 |
|  | * 1. View Player Reports
 |
| Spring 2011 | * + 1. Create more detailed player reports
 |
| Spring 2011 | * + - 1. Include expected user actions to injects
 |
| Spring 2011 | * + - 1. Better logging
 |
|  | * + 1. View single player report
 |
| Spring 2011 | * + - 1. Analyze player reports
 |
| Spring 2011 | * + - * 1. Sort player report elements
 |
| Spring 2011 | * + - * 1. Filter player report elements
 |
| Spring 2011 | * + - * 1. More detailed player reports
 |
|  | * + 1. View multiple player reports
 |
| 2013+? Or Spring 2011 | * + - 1. Analyze player reports
 |
| 2013+? Or Spring 2011 | * + - * 1. Sort player report elements
 |
| 2013+? Or Spring 2011 | * + - * 1. Filter player report elements
 |
| Spring 2011 | * 1. Logout
 |
|  | * 1. Loose Ends
 |
| Spring 2011 | * + 1. Add validation controls to interfaces
 |
|  |  |
| 2013+ | 1. Administrator
 |
| 2013+ | * 1. Create Console
 |
| 2013+ | * + 1. Login
 |
| 2013+ | * + 1. Create User Logins
 |
| 2013+ | * + 1. Delete User Logins
 |
| 2013+ | * + 1. Reset Locked Players
 |
|  | * 1. Manual Database Access
 |
| 2013+ | * + 1. Modify tables and data in tables
 |
| 2013+ | * 1. Logout
 |
|  | * 1. Loose Ends
 |
| 2013+ | * + 1. Add validation controls to interfaces
 |
|  |  |
|  | 1. Database
 |
| Spring 2011 | * 1. Input validation
 |
| Spring 2011 | * + 1. Add validation controls to interfaces
 |
|  |  |
|  | 1. Documentation
 |
| Spring 2011 | * 1. Developer
 |
| Spring 2011 | * + 1. Inline documentation (code)
 |
|  | * 1. System Documentation
 |
| Fall 2009 - Summer 2010 | * + 1. Flow charts
 |
| Fall 2009 - Summer 2010 | * + - 1. System Overview
 |
| Fall 2009 - Summer 2010 | * + - 1. Trainee
 |
| Fall 2009 - Summer 2010 | * + - 1. Exercise Developer
 |
| Fall 2009 - Summer 2010 | * + - 1. Exercise Controller
 |
| Fall 2009 - Summer 2010 | * + - 1. Researcher
 |
| Fall 2009 - Summer 2010 | * + - 1. Administrator
 |
|  | * 1. User Manuals
 |
| 2013+ | * + 1. Installation
 |
| 2013+ | * + 1. System Overview
 |
| 2013+ | * + 1. Trainee
 |
| 2013+ | * + 1. Exercise Developer
 |
| 2013+ | * + 1. Exercise Controller
 |
| 2013+ | * + 1. Researcher
 |
| 2013+ | * + 1. Administrator
 |
|  |  |
|  | 1. System Improvements
 |
| 2013+ | * 1. System backup
 |
| Summer 2010 | * + 1. Eclipse on personal computer
 |
| Spring 2010 | * + 1. Servers (through svn)
 |
|  | * 1. General Loose Ends
 |
| 2013+ | * + 1. Expand menu bars to fit screen
 |
| 2013+ | * + 1. Adjust menu size to menu minimization
 |
| 2013+ | * + 1. Compatibility with different web browsers
 |
| 2013+ | * + - 1. Firefox 3.6.18 or greater
 |
| 2013+ | * + - 1. Internet Explorer
 |
| 2013+ | * + - 1. Safari
 |
|  | * 1. Review Reverse AJAX functionality
 |
| 2013+ | * + 1. Chat program
 |
| 2013+ | * + 1. Remote functionality
 |
| 2013+ | * + 1. Scripting
 |
|  | * 1. XML Standards
 |
| 2013+ | * + 1. Create standards for data transfer and storage
 |
| 2013+ | * + 1. Switch database to XML database
 |
|  | * 1. Artificial Tutoring System
 |
| 2013+ | * + 1. Expert System
 |
| 2013+ | * 1. Code Release on Source Forge
 |
| 2013+ | * + 1. Scrub documents
 |
| 2013+ | * + - 1. Create own Database
 |
| 2013+ | * + - 1. Create passwords and URLs to database
 |
| 2013+ | * + - 1. Delete passwords and URLs to server
 |
| 2013+ | * + - 1. Use a virtual player?
 |
| Summer 2010, Fall 2010, Spring 2011 | * 1. Experiment with Cyberinfrastructure lab at Notre Dame and with collaborators
 |
| Spring 2013 | * + 1. Write Journal Paper
 |
|  |  |
|  | 1. Testing
 |
|  | * 1. System
 |
| 2013+ | * + 1. System scalability
 |
| 2013+ | * + 1. Server scalability
 |
|  | * 1. Web-browser compatibility
 |
| Spring 2011 | * + 1. Firefox 3.6.18 or greater
 |
| Spring 2011 | * + 1. Internet Explorer
 |
| Spring 2011 | * + 1. Safari
 |
|  | * 1. Trainee Console
 |
| Fall 2010 | * + 1. All elements working
 |
| Fall 2010, Spring 2011 | * + 1. Input validation
 |
| Fall 2009 – Spring 2011 | * + 1. User interface design and functionality
 |
| Fall 2009, Spring 2011 | * + 1. Security
 |
|  | * 1. Exercise Developer
 |
| Fall 2010, Spring 2011 | * + 1. All elements
 |
| Fall 2010, Spring 2011 | * + 1. Input validation
 |
| Fall 2009 – Spring 2011 | * + 1. User interface design and functionality
 |
| Fall 2010, Spring 2011 | * + 1. Security
 |
|  | * 1. Exercise Controller
 |
| Fall 2010, Spring 2011 | * + 1. All elements
 |
| Fall 2010, Spring 2011 | * + 1. Input validation
 |
| Fall 2009 – Spring 2011 | * + 1. User interface design and functionality
 |
| Fall 2010, Spring 2011 | * + 1. Security
 |
|  | * 1. Researcher
 |
| Spring 2011 | * + 1. All elements
 |
| Spring 2011 | * + 1. Input validation
 |
| Spring 2011 | * + 1. User interface design and functionality
 |
| Spring 2011 | * + 1. Security
 |
|  | * 1. Administrator
 |
| 2013+ | * + 1. All elements
 |
| 2013+ | * + 1. Input validation
 |
| 2013+ | * + 1. User interface design and functionality
 |
| 2013+ | * + 1. Security
 |
|  | * 1. Database
 |
| Spring 2011 | * + 1. Input validation
 |
| 2013+ | * + 1. Scalability
 |
| Spring 2011, 2013+ | * + 1. Security
 |