CAA

Project manager

Project dates   Jul 3, 2015 - May 7, 2019

Completion   24%

Tasks   197

Resources   3

This is an projecet management view of the pending features, tasks, and efforts to develop MARATHON 4.x over the next year.

Tasks

Name	Begin date	End date
Spoon Christmas Leave 17	12/26/16	1/2/17
Project Management-2017	1/3/17	1/6/17
MARV Handoff	1/3/17	1/6/17
Comparative Verification (MARV)	11/28/16	6/15/17
MARV Methodology Development	11/28/16	12/16/16
Automated Verification Case Comparison Dev.	12/5/16	12/22/16
Phase 1 (Single-SRC Notional Data)	1/9/17	1/27/17
Max Utilization Case Comparison	1/9/17	1/20/17
Requirements Case Comparison	1/23/17	1/27/17
Phase 2 (Single-SRC Prior-Year TAA)	1/30/17	2/10/17
Composite Policy Capacity Case	1/30/17	2/3/17
Composite Policy Requirements Case	2/6/17	2/10/17
Phase 3 (Multi-SRC Prior-Year TAA)	2/13/17	4/6/17
Composite Policy Capacity Case	2/13/17	3/30/17
Composite Policy Requirements Case	3/31/17	4/6/17
Phase 4 (Multi-SRC Current-Year TAA)	4/7/17	5/25/17
Composite Policy Capacity Case	4/7/17	5/19/17
Composite Policy Requirements Case	5/22/17	5/25/17
Phase 5 (Brief Results)	5/26/17	6/15/17
Briefing Prep / Results Prep	5/26/17	6/5/17
MARV ARB / MARATHON Process Improvement	6/6/17	6/6/17
Study Transition (Hanson -> Spoon)	6/7/17	6/15/17
MARV Documentation	6/16/17	7/14/17
GovCloud Hosting	4/20/17	5/17/17
FOUO Large File Hosting via Amazon S3	4/20/17	5/3/17

Tasks

Name	Begin date	End date
FOUO Web Server via Amazon EC2	5/4/17	5/17/17
Long Term M4 Training	8/21/17	9/26/17
User Guide	8/21/17	9/5/17
Video Tutorials	9/6/17	9/12/17
Browser-based Tutorials	9/13/17	9/26/17
Draft Asynchronous Training	9/18/17	9/22/17
ARNORTH VRC Support	6/12/17	8/11/17
VRC Flow Simulation	6/12/17	7/19/17
Notional Results	7/10/17	8/10/17
VRC Offsite	8/11/17	8/11/17
Spoon Summer LV 17	8/14/17	8/25/17
Post Processing - TAA PIP	6/8/17	8/21/17
Intern Training / Mentoring / Peer Programming	6/8/17	8/21/17
Clojure Training	6/8/17	6/23/17
Automate PPTX Slide Generation	6/26/17	7/21/17
Integrate With PROC Post Processor	7/24/17	8/18/17
ARNORTH Hurricane Support	8/28/17	9/8/17
Award Nominations	9/27/17	9/29/17
AMSO M&S MARATHON 4	9/28/17	9/29/17
AMSO M&S MARV	9/27/17	9/27/17
Debugging / Maintenance 2017	6/5/17	2/26/18
Release 4.1.1	6/5/17	9/4/17

Tasks

Name	Begin date	End date
Fixed Memory Leak, Optional Debugging, Performance +	6/5/17	6/5/17
Requirements Analysis Policy Edge Case	6/27/17	6/27/17
Improved Requirements Analysis Algorithm	6/27/17	9/1/17
Scripting Menu	8/31/17	9/4/17
Refactored core simulation libraries, migrated to SPORK	8/3/17	8/8/17
Improved Requirements Analysis Bound Estimation	9/1/17	9/4/17
Initial Public Release	9/4/17	9/4/17
Release 4.1.2	9/5/17	9/18/17
Parallel Requirements Analysis	9/5/17	9/5/17
Debugged Incorrect Supply Distribution for RA	9/6/17	9/8/17
Finite/Infinite NonBog Policy Bugfix	9/12/17	9/12/17
Graphical User Interface / NightClub IDE	9/12/17	9/18/17
Release 4.1.3	9/27/17	11/6/17
GUI Asynchronicity Error Fixes	9/27/17	10/6/17
bogbudget update fix	10/9/17	10/25/17
requirement Analysis policy fix	10/20/17	11/6/17
deterministic unit-index sorting criteria deterministic unit-index sorting criteria	10/27/17	11/1/17
Context-menu for fast gui tasks	10/30/17	11/1/17
GUI Splash Screen + Logo	11/1/17	11/1/17
Clojure CONJ 2017 (Baltimore)	10/10/17	10/13/17
Spec Training (Automated Testing Library)	10/10/17	10/10/17
CONJ Conference	10/11/17	10/13/17
Release 4.1.4	11/16/17	12/4/17
deployability status fix	11/16/17	11/16/17
bogbudget fix	11/16/17	11/16/17
Finite Cycle Length Goal fix	11/28/17	11/28/17
requirements analysis error propogation	12/4/17	12/4/17
Release 4.1.5	12/11/17	2/6/18

Tasks

Name	Begin date	End date
Continuous Delivery / Verification (LambdaCD)	12/11/17	12/11/17
TAA 21-25 Policy templates	12/21/17	12/21/17
Requirements analysis defaultLastDay fix	1/30/18	2/1/18
Non-existent Composite policy record fix	2/1/18	2/1/18
Added demandtrend fields for deltaT	2/2/18	2/2/18
Daily interpolated demandtrend default	2/2/18	2/2/18
Updated proc to new demandtrends	2/6/18	2/6/18
Release 4.1.6	2/22/18	2/26/18
Automated HighWater Scripting	2/22/18	2/23/18
Bugfix DemandTrends DeltaT	2/23/18	2/23/18
Highwater Batch GUI	2/23/18	2/26/18
Concurrent TAA 21-25 Support	9/11/17	3/30/18
M4 Training-2017	10/2/17	11/6/17
On-site MARATHON + Clojure Training	10/2/17	10/6/17
Ad-Hoc MARATHON TraiAd-Hoc MARATHON Training ning	11/6/17	11/6/17
CAA Site Visit Q1-18	1/29/18	2/2/18
ARNORTH JRPC Support	12/22/17	5/1/18
NEO Flow Simulation Prototype	12/22/17	1/5/18
Population Modeling	2/7/18	3/1/18
Airline Analysis	1/29/18	2/16/18
JRPC Draft Results	1/8/18	1/12/18
RFI NORTHCOM, ARNORTH	1/12/18	2/9/18
NEO Flow Simulation Update	2/26/18	4/5/18
CAA Pitch	3/5/18	3/5/18
ARNORTH Branch Briefing	3/16/18	3/16/18

Tasks

Name	Begin date	End date
Key Resolve 18 TTX	3/26/18	3/29/18
ARNORTH G3/G5 Brief	4/11/18	4/11/18
ARNORTH DCG Brief	4/18/18	4/18/18
ARNORTH CG Brief	5/1/18	5/1/18
Rotational Analysis Capabilities	5/2/18	10/17/18
SRM VnV	5/2/18	6/2/18
Portfolio Analysis	6/4/18	6/15/18
Stochastic Demand Futures Integration (Helmet)	6/4/18	6/8/18
Force Mix Composition Analysis Integration (Stoke)	6/11/18	6/15/18
Force Structure Design of Experiment	10/11/18	10/17/18
Force Structure Optimization (TMAS)	10/11/18	10/17/18
Research And Development	6/18/18	5/6/19
PreProcessing RD	6/18/18	7/13/18
Project Validation Tests	6/18/18	6/29/18
Project Version Control	7/2/18	7/13/18
Analysis RD	7/16/18	2/15/19
PostProcessing	7/16/18	7/27/18
Update Proc to Accept new Data Schemas	7/16/18	7/27/18
Modify Proc to Read Compressed Marathon Histories	7/16/18	7/27/18
Large Scale Experimentation	7/16/18	10/10/18
Experiment Definition	7/16/18	8/15/18
Automated Experimentation	8/16/18	9/12/18
Experimental Results Reduction	9/13/18	10/10/18
Client-side Resourcing Panel Support (TADMUDI)	10/11/18	10/17/18
Scalable Run Distribution	10/11/18	2/15/19
Local Machine (simulated cluster)	10/11/18	11/12/18
CAA Cluster	11/13/18	12/13/18

Tasks

Name	Begin date	End date
NPS Cluster	12/14/18	1/15/19
Army High Performance Computing Labs	1/16/19	2/15/19
Look Ahead (Global Optimization)	10/11/18	10/24/18
Front End RD	2/18/19	5/6/19
Project Data Management	2/18/19	5/6/19
Automated Project Setup	2/18/19	2/18/19
Supply Utilities	2/18/19	3/15/19
Interactive Supply Creation	2/18/19	3/1/19
Interactive Supply Setup	3/4/19	3/15/19
Demand Utilities	3/18/19	4/1/19
Interactive Demand Timeline	3/18/19	4/1/19
Policy Utilities	4/2/19	5/6/19
Interactive Policy Creation	4/2/19	4/15/19
Interactive Policy Visualization	4/16/19	4/29/19
Interactive Behavior Tree Constructor	4/30/19	5/6/19
Interactive Real-Time Visualization (TBD)	5/2/18	9/20/18
Completed	7/3/15	1/6/17
Capacity Analysis (2016)	7/3/15	10/14/16
Requirements Analysis (2016)	10/24/16	11/23/16
Sustainable Readiness Rules (2016)	1/20/16	6/15/16
Local Demand Effects	4/8/16	6/1/16
Meta Relations	1/20/16	6/15/16
Front End (2016)	8/1/16	9/30/16
Primitive Graphical User Interface	8/1/16	8/5/16
Integrate "proc" with front end GUI	9/6/16	9/30/16
PreProcessing (2016)	9/19/16	9/30/16
Enable Support For Legacy Schemas	9/19/16	9/30/16

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Name	Begin date	End date
Capacity Analysis Verification (2016)	10/3/16	10/14/16
Max Utilization Policy VNV	10/3/16	10/7/16
Composite Policy VNV	10/10/16	10/14/16
Requirements Analysis (RA) - 2016	10/17/16	11/23/16
RA Implementation	10/17/16	11/3/16
RA Verification	11/7/16	11/23/16
Visualization (2016)	9/2/15	9/9/16
Java 2D Prototype HUD	9/2/15	11/27/15
Dynamic Plot Implementation	10/2/15	2/11/16
Dynamic Scatter Plot	10/26/15	12/22/15
Dynamic Area Plot	11/30/15	2/11/16
Dynamic "Trail" Plot	10/2/15	1/7/16
World Map Implementation	12/10/15	7/12/16
Geographic Locale Definitions	12/11/15	12/11/15
Home Station Definitions	12/11/15	12/11/15
Nested CONUS Map	12/14/15	12/15/15
Animated Entity Tokens	1/18/16	2/29/16
Animated Entity Paths	2/15/16	2/26/16
Animated Geographic Containers	2/22/16	3/1/16
Zoomable User Interface Development	12/10/15	7/12/16
Piccolo2d Library Adaptation	11/13/15	12/25/15
clojure API wrappers	11/13/15	12/25/15
Patch Chart	12/11/15	7/15/16
Animated Entity State Patches	12/11/15	1/22/16
Static HTML Rendering	7/11/16	7/15/16
Portable Animation Output	7/25/16	9/9/16
MP4 Export Library / FFMPEG Integration	7/25/16	8/5/16
JCodec MP4 encoder integration	7/25/16	8/5/16
Frame Capture	8/8/16	8/19/16

Tasks

Name	Begin date	End date
Frame-by-frame rendering	8/15/16	8/19/16
Event-stepped Piccolo2d Animation	8/22/16	9/9/16
Publication (2016)	9/12/16	11/3/16
AORS Submission	10/3/16	10/3/16
AORS Presentation	11/1/16	11/3/16
Project Management-2016	9/12/16	9/20/16
2018 Planning	9/12/16	9/20/16
Training-2016	9/5/16	11/4/16
On-site MARATHON + Clojure Training	9/5/16	9/9/16
Ad-Hoc MARATHON Training	10/31/16	11/4/16
Documentation (2016)	5/4/16	1/6/17
Whitepaper	7/26/16	8/8/16
MARTHONomicon Literate Program	5/4/16	1/6/17
Scripting Examples	9/12/16	9/19/16

Resources

Name	Default role
Tom Spoon	Delusional Architect
Craig Flewelling	Fancy Ditch Digger
Rick Hanson	Just Works Here

MARATHON Project Management

Apr 4, 2018

Gantt Chart

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Spoon Christmas Leave 17	12/26/16	1/2/17
Project Management-2017	1/3/17	1/6/17
Comparative Verification (MARV)	11/28/16	6/15/17
MARV Documentation	6/16/17	7/14/17
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Fixed Memory Leak, Option...	6/5/17	6/5/17
Requirements Analysis Poli...	6/27/17	6/27/17
Improved Requirements An...	6/27/17	9/1/17
Scripting Menu	8/31/17	9/4/17
Refactored core simulation ...	8/3/17	8/8/17
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Debugged Incorrect Supply...	9/6/17	9/8/17
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