

# One Person Software Development Project

Jun 22, 2011

## Team Axe, LLC

<http://www.teamaxe.org>

Project managers:

Dates: Jan 21, 2010 - Jul 26, 2011

Complete: 90%

Tasks: 91

People: 13

---

This is the project plan of the first software creation from Team Axe, LLC. While the number of People is listed as 13, these are the roles that are defined for software development and not actual persons.

The project itself will follow the OpenUP software development process, and as such is divided into four phases: Inception, Elaboration, Construction and Transition. The purpose of the project is to create a compelling and well-developed software creation utilizing the resources of only a single developer.

Quarterly progress reports and other information can be viewed at the URL supplied with this document.

---

## Tasks

Name	Begin date	End date
<b>Inception</b> 03/01/2010 Inception Phase of project lasting throughout first quarter. Familiarization with technology and feasibility. 03/06/2010 Expansion of Technological Familiarization to include Technology Selection and Developer Licensing. 03/12/2010 Creation of Initial Visual Design task. Added metaphor and process tasks. Added Project Timeline Task. 04/19/2010 Most Inception tasks complete. Objective-C training going more slowly than anticipated. In response, Objective-C training task added to all phases of project. 05/30/2010 Inception Complete.	1/21/10	4/21/10
<b>Project Definition</b> 03/01/2010 Outline scope of project. Begin Software Design Doc.	1/21/10	2/3/10
<b>Project Scope Determination</b> 03/01/2010 Determine general scope of software and ability to execute. 03/12/2010 Determined limited platform choice of only iPhone production. 04/19/2010 Further limitations in platform choice. No native iPad support in first release. iOS 3 and above support given to difficulty in acquiring iOS 2 hardware.	1/21/10	1/22/10
<b>Vision Statement</b> 03/01/2010 Prepare vision statement to prevent scope creep and outline purpose of software. 03/12/2010 Vision statement developed to focus development effort.	2/1/10	2/3/10
<b>Initial Requirements</b> 03/05/2010 Determine software requirements. 03/12/2010 Determined application limited to 4 screens at maximum in order to focus development effort on 4 discrete functionalities.	2/10/10	2/22/10
<b>Market Research</b> 02/12/2010 Research market for pre-existing product fulfilling requirements. 03/12/2010 Conducted extensive market research. No product in Apple Marketplace or overall software market that meets Use Cases. 04/19/2010 Continued research shows no compelling social networking component either.	2/12/10	2/17/10
<b>Use Case Creation</b> 02/12/2010 Create set of Use Cases to refine what software should deliver.	2/12/10	3/3/10

## Tasks

Name	Begin date	End date
<b>Use Case Template Creation</b> 02/12/2010 Determine format of Use Cases. 03/12/2010 Format and template of Use Cases created. Creation took longer than expected. End date increased by 2 weeks.	2/12/10	2/24/10
<b>Use Case Task Determination</b> 02/12/2010 Determine high-level set of functionality that will be achieved by Use Cases. 03/12/2010 Final set of product functionality set. Use Cases written to reflect this.	2/22/10	2/25/10
<b>Use Case Drafts</b> 02/12/2010 Create initial set of Use Case drafts before template completion. 03/12/2010 Use Cases of 4 primary functionality drafts completed. One feature under consideration for removal. 04/19/2010 Use Cases reduced to 3 primary functionality paths.	2/25/10	3/3/10
<b>Architectural Feasibility</b> 02/25/2010 Study ability to execute project on platform without any knowledge of platform. 03/12/2010 Developer background with C/C++ makes Objective C acclimation possible. Project feasibility granted.	2/23/10	3/1/10
<b>Initial Documentation</b> 2/20/2010 Create initial set of documentation to support development effort. 3/30/2011 Utilizing Documentation for demo video.	2/22/10	3/27/10
<b>Software Design Document Creation</b> 02/23/2010 Create Software Design Doc to solidify architectural decisions. 03/12/2010 Software Design Document framework completed with all sections drafted. 03/30/2010 Final Draft of Design doc completed. Each section will be added to as development continues. As such, Software Design Doc update task added to each phase.	2/22/10	3/9/10
<b>Document Templates Creation</b> 02/23/2010 Determine/Create document template types for business, technical writing and documentation. 03/12/2010 Document templates for all project documentation determined. Open Office chosen as exclusive tool.	3/2/10	3/6/10

## Tasks

Name	Begin date	End date
<b>Data Research</b> <i>02/28/2010</i> <i>Begin research into system data for User Profile creation.</i> <i>03/12/2010</i> <i>Product reference material and data research determined to be greater than Inception phase endeavor. Will progress throughout Elaboration and Construction.</i> <i>04/09/2010</i> <i>Initial Data collection and archival completed.</i>	3/6/10	3/27/10
<b>Technological Familiarization</b> <i>03/01/2010</i> <i>Begin process of familiarization with XCode, Objective-C and Apple App Store/Developer resources.</i>	3/7/10	4/21/10
<b>Technology Selection</b> <i>03/01/2010</i> <i>Begin research into development toolchain (IDE, testing, debugging, prototyping).</i> <i>03/06/2010</i> <i>Determine scope of project to include platforms outside iPhone OS.</i> <i>03/12/2010</i> <i>Determined need for research into UIWebView vs. CoreGraphics display.</i>	3/7/10	3/10/10
<b>Developer Licensing</b> <i>03/01/2010</i> <i>Realized necessity of testing on actual hardware (performance). Apple Developer license needed for development effort.</i> <i>03/12/2010</i> <i>Applying for Apple Developer Program.</i> <i>04/08/2010</i> <i>Acceptance to Apple Developer Program.</i>	3/7/10	3/14/10
<b>Objective-C Training</b> <i>03/10/2010</i> <i>Began Stanford iPhone Developer online course. Intending viewing all course videos and completing each assignment.</i> <i>03/12/2010</i> <i>Underestimated time. Goal extended 2 weeks.</i> <i>04/04/2010</i> <i>Need for ongoing training identified. Entry level Apple tutorials/documentation finished.</i> <i>04/09/2010</i> <i>Research into Apple documentation/education complete.</i>	3/13/10	4/21/10
<b>Development Environment Setup</b> <i>03/10/2010</i> <i>Creation of development environment/workstation. Selection of IDE, placement of workplace, backup/change control procedures.</i> <i>03/12/2010</i> <i>Project setup completion. Test Unit Tests created. Need testable use cases.</i> <i>04/08/2010</i> <i>Apple certificates/provisioning profiles received. Test devices provisioned.</i>	3/13/10	3/25/10

## Tasks

Name	Begin date	End date
<b>Toolchain</b> <i>03/03/2010</i> <i>Finalize procedures and workflows in generating content for development/archival.</i> <i>03/12/2010</i> <i>Toolchain finalized.</i>	3/13/10	4/7/10
<b>Project Codebase Creation</b> <i>03/08/2010</i> <i>Creation of Proof of Concept XCode project.</i> <i>03/12/2010</i> <i>Project filesystem hierarchy established. Navigation hierarchy completed.</i> <i>04/08/2010</i> <i>Project codebase successfully tested on actual devices.</i>	3/10/10	4/20/10
<b>Initial Visual Design</b>	3/12/10	4/18/10
<b>Determine Design Metaphor</b> <i>03/12/2010</i> <i>Determine guiding design metaphor for UI.</i> <i>04/04/2010</i> <i>Visual design metaphor for UI identified and tested. Design for major project deliverable still undergoing revision.</i> <i>04/09/2010</i> <i>Major project deliverable initial visual design finalized.</i>	3/12/10	3/30/10
<b>Visual Assets Prototypes</b> <i>03/12/2010</i> <i>Determine ability to generate art assets in acceptable timeframes.</i> <i>04/08/2010</i> <i>Prototype visual assets exported and pushed to test devices.</i>	3/20/10	4/18/10
<b>Project Timeline</b> <i>03/12/2010</i> <i>Develop Gantt Chart. For project. Utilize Open Office Calc public domain Gantt Chart Template.</i> <i>04/01/2010</i> <i>Gantt Chart first revision complete. Inception Phase complete.</i>	3/20/10	3/26/10
<b>Documentation Workflow Finalization</b> <i>03/01/2010</i> <i>Create rough workflow guidelines for project documentation creation.</i> <i>3/12/2010</i> <i>Project documentation types determined. Software Design Doc, Vision Doc, System/User Data Model Doc, UI Model Doc, Assesst Licensing Doc, Use Cases.</i> <i>05/30/2010</i> <i>All project Documentation completed.</i>	3/20/10	4/19/10

## Tasks

Name	Begin date	End date
<b>Elaboration</b> 03/01/2010 Take decisions and templates from Inception phase and complete preparation work for Construction. 03/12/2010 Realized need for Usability expertise. Added task. 04/08/2010 Ongoing Training and Documentation tasks added. 04/19/2010 First external resource requested. 06/13/2010 Happy Birthday to me! Significant setback in visualization. Dates adjusted. 07/20/2010 Aside from visualization and usability setbacks, Elaboration phase complete. 09/01/2010 Elaboration phase considered complete will abandonment of external Usability study due to resource non-communications.	3/3/10	7/29/10
<b>Use Case Model Creation</b> 03/01/2010 Determine best doctype and template doctype for Use Cases. 04/08/2010 3 Primary Use Case scenarios developed. System setup Use Case need identified. 04/09/2010 System setup Use Case developed. 05/01/2010 Initial Use Cases finished. Awaiting Usability analysis. 05/30/2010 Use Case iteration moved to Construction Phase.	3/3/10	4/21/10
<b>Ongoing Training and Documentation</b>	3/3/10	6/17/10
<b>Objective C training - Stanford Class</b> 04/08/2010 Taking Stanford Online Classes. 1st set of assignments complete. 05/26/2010 Most Stanford Class assignments complete. All videos completed. Training iteration moved to Construction Phase.	3/3/10	6/17/10
<b>Software Design Doc revisions</b> 03/03/2010 Complete structure and rough draft of final Software Design Doc. 03/12/2010 Sections finalized. 04/08/2010 Task moved under Ongoing Training and documentation. 05/26/2010 Continued revisions to calculations.	5/5/10	6/6/10

## Tasks

Name	Begin date	End date
<b>Finalize Document Templates</b> <i>03/12/2010</i> <i>Finalize documentation decisions. Entirety of project documentation created with open source tools.</i>  <i>All documentation - Open Office</i> <i>All bitmap asset generation - GIMP</i> <i>All vector asset generation - Inkscape</i> <i>04/08/2010</i> <i>SVG workflow/structure identified for parsing. Art workflow now seamless to code consumption.</i> <i>05/26/2010</i> <i>All document and asset templates complete.</i>	3/6/10	4/24/10
<b>Initial Usability</b> <i>03/30/2010</i> <i>Usability Expert consulted. Will contract initial Usability study to external resource.</i> <i>09/01/2010</i> <i>External Usability review abandoned. No response from resource. In-house Usability will commence during Construction Phase.</i>	4/1/10	5/30/10
<b>Acquire Usability Resource</b> <i>03/30/2010</i> <i>Gathering Use Cases and Software Design Doc for review by Usability Expert.</i> <i>04/09/2010</i> <i>NDA sent to Usability Expert.</i> <i>04/19/2010</i> <i>NDA returned. Project profile/Use cases sent. Timeline increased.</i> <i>05/26/2010</i> <i>Awaiting Usability Expert response.</i> <i>09/01/2010</i> <i>External Usability resource has never responded to repeated inquiries. Assuming resource attachment to project null.</i>	4/1/10	5/8/10
<b>Review Usability Findings</b> <i>04/19/2010</i> <i>Project profile materials sent to Usability resource.</i> <i>05/26/2010</i> <i>Awaiting Usability results. Move iteration to Construction Phase.</i> <i>09/01/2010</i> <i>External Usability non responsive. No review will take place.</i>	4/30/10	5/30/10
<b>Software Development Plan Creation</b> <i>03/03/2010</i> <i>Enhance Software Design Doc section to include specific development decisions.</i> <i>05/26/2010</i> <i>Software vision and design doc synced.</i>	4/19/10	5/6/10
<b>Finalize Project Environments</b> <i>03/10/2010</i> <i>Finalize development workspace including filesystem naming conventions, backup procedures and workflow facilitation.</i>	4/19/10	5/10/10

## Tasks

Name	Begin date	End date
<b>Finalize Dev Environment</b> 03/01/2010 Complete creation of POC XCode project with general build targets, Unit Testing and project structure. 03/12/2010 Completed build targets, comment syntax, doxygen support. 05/01/2010 Development environment tool familiarization and profile setup complete (Instruments, XCode, etc.). 05/26/2010 Finalized Project filesystem structure.	4/19/10	4/26/10
<b>Finalize Art Environment</b> 03/03/2010 Finalized filesystem conventions and tool settings/preferences.  Raster - GIMP workspace, high resolution photography, high resolution assets stored, exported to low resolution iPhone assets.  Vector - Inkscape workspace, exported to low resolution iPhone assets.  Familiarization with Inkscape-specific svg file format. 04/08/2010 Codebase partitioned to accept art assets direct from Art workflow. 05/26/2010 Art toolchain finalized. 1 remaining issue with asset type.	4/22/10	5/10/10
<b>Finalize Test Environment</b> 03/10/2010 Setup of SenTestingKit with default Unit Tests included in build process. 04/08/2010 SenTesting initial test cases created and merged with Build Process. 05/26/2010 Testing suites difficult to setup as familiarization with environment is still ongoing. Add'l class structure fluctuations make constructing test cases difficult. 7/8/2010 Test cases complete, but given flux of class creations, unit testing is difficult. UIAutomation investigation underway as well.	4/23/10	5/10/10
<b>Visual Design Finalization</b> 03/07/2010 Finalize design metaphor and visual direction of project.	4/29/10	5/21/10
<b>Finalize Art Workflow</b> 03/09/2010 Determine best-practices in Art development environment and workflow. 05/26/2010 All initial prototype art assets generated with acceptable workflow.	4/29/10	5/21/10
<b>Finalize Initial Art Assets</b> 03/08/2010 Create first batch of prototype art assets for Proof of Concept. 05/26/2010 All initial art assets completed and installed into codebase.	4/29/10	5/8/10



## Tasks

Name	Begin date	End date
<b>Proof of Concept</b> <i>03/03/2010</i> <i>Create Proof of Concept iPhone app proving out ability to create application and test initial screen layouts and design decisions.</i> <i>05/26/2010</i> <i>Proof of Concept feature complete (without data retention). However, performance is unacceptable.</i> <i>06/13/2010</i> <i>Proof of Concept completed, but primary development visualization deliverable performance is suboptimal ~15fps. A new, lower-level visualization engine (and workflow to generate appropriate assets) is needed.</i>	5/3/10	5/18/10
<b>Create Software Development Model</b> <i>03/02/2010</i> <i>Design the principle software systems of the project.</i> <i>04/08/2010</i> <i>Methods for generating Data/ER/Class models determined.</i>	5/6/10	7/9/10
<b>Technology Research</b> <i>03/02/2010</i> <i>Determine best practices and most efficient frameworks for use on Apple Devices.</i> <i>04/08/2010</i> <i>Apple HIG, Best practices and Programming guides reviewed.</i> <i>05/26/2010</i> <i>Most apple UI interfaces understood and implemented. CoreData and high-performing visualization still unknown.</i> <i>06/13/2010</i> <i>Visualization utilizing UIWebView suboptimal. Research into CoreGraphics visualization underway.</i> <i>09/01/2010</i> <i>Familiarization with CoreGraphics framework complete. Entire UI adapted to new toolchain. FPS acceptable with all tested devices.</i>	5/6/10	7/7/10
<b>Data Research</b> <i>03/01/2010</i> <i>Continuing research into software content and User customization.</i> <i>04/08/2010</i> <i>Core Data chosen as Model Framework over custom SQLite implementation.</i> <i>05/26/2010</i> <i>Determined best subset of data to include. Data asset retrieval (public domain licensing) will begin.</i> <i>08/06/2010</i> <i>Data retrieval nearing completion. Most assets found in public domain. Prototype datasets acceptable. Will finish data retrieval for production product.</i>	5/6/10	6/6/10

## Tasks

Name	Begin date	End date
<b>Class Model</b> 03/01/2010 Construct Class Model diagram for high-level relationship determinations. 04/08/2010 Initial Class implementations from ER/Model work initiated. 05/26/2010 Initial design for primary deliverable visualization is unusable. Must re-write using more lower-level structures. 07/20/2010 Class models complete with exception of view models. 08/07/2010 Visualization routine re-written with CoreGraphics and SVG backend-import. 60fps attainable on both original iPhone models and current generation iPhones. @2x asset generation for UI elements in iPhone 4/iPad underway.	5/6/10	7/9/10
<b>ER Model</b> 03/01/2010 Create entity-relationship diagram for datastructures to hold both System data and User data. 04/08/2010 Basic Visual models generated via Eclipse-based ER software. CoreData model will be generated via XCode. 05/26/2010 Eclipse-based ER diagramming not efficient with build process. Abandoning after final visual ER generation. 07/20/2010 Beginning CoreData modelling.	5/20/10	6/3/10
<b>Functional Prototype</b> 03/01/2010 Create functional Prototype for usability testing based upon Proof of Concept. 05/26/2010 Visualization performance is unacceptable. Delaying Prototype delivery date by 1 month. 07/20/2010 View approach decided. Rough design applied to functional prototype. 09/01/2010 Functional prototype sans complete data retention model complete.	5/18/10	7/14/10
<b>Prototype Real World Trial</b> 08/14/2010 Real world prototype testing underway. Performance differences between original iPhone and current generation iPhone acceptable. Need to attain iPad and 1st generation iPod touch for support.	7/21/10	7/29/10

## Tasks

Name	Begin date	End date
<b>Construction</b> 02/01/2010 Take assets/code generated in elaboration and build functional product. 03/12/2010 Added Visual design development/generation path. 05/26/2010 Added Public Presence tasks. 07/20/2010 Added Audio Engineering, delays to construction, delay to Usability. 09/01/2010 External Usability review abandoned. Moving forward with present UI. 09/12/2010 Timeline adjusted for delay for major personal engagement. 2 months of development time will be lost to prepare for engagement. 11/10/2010 Data acquisition and asset generation underway. Further CoreData familiarity commencing. 12/10/2010 Personal engagement concluded. Development can resume.	5/21/10	6/29/11
<b>Public Presence Construction</b> 09/01/2010 Architecture of public web-presence determined. Visual design prototypes underway.	5/21/10	7/31/10
<b>Blog Creation</b> 05/26/2010 Entertaining a blog about the process. Transition blog to fully-fledged public presence. 06/13/2010 First blog entry posted under old blog-site. 07/08/2010 Add'l updates written. 07/20/2010 Initial Blog and site branding complete. Iterations needed. 10/10/2010 Blog entries culled and many of draft entries written. Visual design determined. Asset generation underway. 12/10/2010 Majority of blog posts written and drafted. Redacted from blog until project release at which point, all posts will be published. 01/12/2010 Site construction complete.	5/21/10	5/30/10

## Tasks

Name	Begin date	End date
<b>Business Entity Creation</b> 05/26/2010 Decision to create LLC entity for purpose of production of this project. 06/13/2010 LLC research underway. 06/20/2010 LLC creation documentation. 07/08/2010 Articles of Organization received from state of MO. TeamAxe, LLC. created. 7/20/2010 Apple Developer account transferred from Adam Axe entity to TeamAxe, LLC. entity. 10/10/2010 Majority of project business deliverables complete. Will consider One Person Development Project business deliverables complete as TAO is now a separate entity. 12/10/2010 Determining bisection of TAO and current project business objectives. Will need to transition business responsibilities to third party. 1/30/2010 Management of TAO will continue to belong to project manager.	7/5/10	7/31/10
<b>Visual Design Finalization</b> 09/07/2010 Design look and feel finalized. Asset generation underway for final UI. 12/10/2010 All primary and secondary UI designs finalized. Production implementation to commence.	5/27/10	8/28/10
<b>Interface Asset Generation</b> 04/08/2010 Photography completed. Asset generation (lighting, cropping, resizing) commencing. 07/28/2010 Actual interface development underway, entry screen iterations commencing. 09/10/2010 Primary screen layouts finalized. Asset generation underway. 12/10/2010 Art Asset generation complete.	5/27/10	8/28/10
<b>Project Asset Generation</b> 04/08/2010 Asset prototypes constructed. Performance issues noticed. 07/28/2010 Visualization issues corrected. Asset toolchain updated. Asset generation commencing. 09/01/2010 Final set of version 1 production assets determined. Visual asset generation nearing completion. 10/10/2010 Visual asset generation underway. Metadata needs generation now. 12/10/2010 Primary Project art assets completed. Revisions underway.	6/5/10	8/6/10

## Tasks

Name	Begin date	End date
<b>Usability Review</b> 05/26/2010 Awaiting Usability results. 06/13/2010 Still awaiting Usability Resource response. Delay of 1 month. 07/20/2010 Still no response from Usability Resource after repeated communication attempts. 09/01/2010 External Usability review abandoned. Current use cases and UI assets approved for production. Usability review will be conducted prior to version 2 release. 12/10/2010 Usability resource re-engaged unexpectedly. However, project life-cycle too far along to seriously attempt usability review. Professional Usability study will be conducted for V2.	5/30/10	7/16/10
<b>Audio Engineering</b> 07/20/2010 Realized the need for ambient sound effects and possibly a theme. Began research into audio design of peer software. 12/10/2010 Audio formats for effects and music decided.	9/20/10	2/17/11
<b>Theme Composition</b> 07/20/2010 Previously composed pieces reviewed. Possible candidates identified. 12/10/2010 Introduction music and theme written, arranged and finalized. Adaptation underway. 01/30/2011 Way behind. Theme composed. Recording underway.	9/20/10	12/11/10
<b>Effects Engineering</b> 12/10/2010 Effects audio design finalized. All audio asset generation to commence. Delay of 2 months. 01/10/2010 Effects design complete. Recording to commence. 03/30/2011 Effects to be minimized for this release. System sounds will be utilized.	10/17/10	2/17/11
<b>Primary Development</b> 03/08/2010 Primary class development 06/13/2010 Primary visual development deliverable unusable in current form. Undergoing lower-level rewrite to attain 60fps. Extension of 1 month to project for research. 12/10/2010 Visualization development complete. UI, Data retention and hardware interfaces underway.	7/9/10	2/22/11

## Tasks

Name	Begin date	End date
<p>Interface Development</p> <p>03/09/2010 Designing and implementing User feedback. Implementing visual design metaphor. 04/08/2010 3 Primary Screens constructed. Conducting initial user testing. 07/28/2010 Most interface NIBs constructed and linked with View Controllers. 09/01/2010 All navigation view controllers present in at least stub form. One additional set of screens will be developed as aggregate of several prototyped screens. 10/10/2010 Design metaphor now includes basic animation on primary screens development of animation routines complete. 12/10/2010 Animation routines adapted where applicable. UI development complete. User/System testing underway 03/30/2011 All interface elements finalized. User testing underway.</p>	7/9/10	2/5/11
<p>Class Development</p> <p>03/03/2010 Primary development of codebase. 04/09/2010 Production codebase started. 07/28/2010 Most ViewControllers, View and Model structures created. Iterations underway. 09/12/2010 All view controllers and non-CoreData model objects created. 12/10/2010 Object Model complete sans object persistence framework. System/User testing underway. 03/30/2011 All primary Class development completed. User Testing underway.</p>	7/9/10	2/22/11
<p>Data Development</p> <p>03/10/2010 Primary development of data structures 04/09/2010 Data divided into 2 partitions, System and User. 09/10/2010 Dissection of data model into System and User data finalized for ease of Core-Data migration issues with subsequent app versions. 12/10/2010 Read Only System data model development underway. 02/06/2011 Primary Data Development (model, content) complete.</p>	7/9/10	2/8/11

## Tasks

Name	Begin date	End date
<b>Performance Development</b> <i>03/10/2010</i> <i>Troubleshooting, leak management, performance improvement.</i> <i>04/08/2010</i> <i>Major performance issues discovered in Mobile Safari with custom webkit JS engine.</i> <i>09/01/2010</i> <i>Apple Instruments tool researched and now heavily utilized during development process. Identification of major memory leak in primary application visualization asset. Investigation underway.</i> <i>09/10/2010</i> <i>Low Level Core graphics asset import and generation toolchain completed. All memory leaks with import and CoreGraphics visualization stopped. Primary application visualization asset causes crash in intra-screen navigation. Investigating.</i> <i>10/10/2010</i> <i>Continue investigation on intra-screen navigation crash.</i> <i>12/10/2010</i> <i>All Memory leaks removed. Memory ceiling dropped significantly with re-designed auto release pools. Core Data performance testing underway.</i> <i>02/20/2010</i> <i>Primary performance complete, 60fps, no leaks, no crashes. More development will be necessary after Beta is commenced.</i>	7/9/10	2/20/11
<b>Ongoing Training and Documentation</b> <i>06/20/2010</i> <i>WWDC10 Videos downloaded. Training ongoing.</i> <i>07/28/2010</i> <i>WWDC10 Videos extremely useful. UI automation and Instrument utilization are to be implemented soon in project.</i> <i>09/01/2010</i> <i>Instrument implementation into development workflow completed. UI automation appears to be buggy and timing of screen navigation on script is not assured. Researching.</i> <i>12/10/2010</i> <i>Development Toolchain training complete sans day-to-day reference requirements.</i>	6/17/10	11/1/10
<b>Quality Assurance</b> <i>03/01/2010</i> <i>Finalization of testing before alpha release.</i> <i>09/01/2010</i> <i>Definition of alpha/beta releases created.</i> <i>12/10/2010</i> <i>Alpha testing delayed one month.</i>	12/17/10	1/18/11
<b>Final Usability</b> <i>03/03/2010</i> <i>Review of usability study and last iteration.</i> <i>06/13/2010</i> <i>Usability has not become due to non-response from resource. Delaying 1 month.</i> <i>07/20/2010</i> <i>No response from Usability Resource. Delaying 1 month. Troubling.</i> <i>09/12/2010</i> <i>External Usability abandoned. In-house usability interview conducted.</i>	12/17/10	1/18/11

## Tasks

Name	Begin date	End date
<b>User Documentation</b> <i>03/12/2010</i> <i>Creation of User documentation. Leverage Use Cases.</i> <i>06/13/2010</i> <i>Must focus on visualization rewrite. Documentation delayed.</i> <i>12/10/2010</i> <i>User documentation visual design complete.</i> <i>2/2/2011</i> <i>User documentation video scripts complete. Recording underway. Delay of 2 months.</i> <i>6/22/2011</i> <i>User Video documentation abandoned for in-app documenation. Will revisit in post-implementation.</i>	1/30/11	4/6/11
<b>Alpha Release</b> <i>03/12/2010</i> <i>Determine time frame for Alpha release to testers.</i>	2/17/11	4/1/11
<b>Gather Tester Information</b> <i>07/20/2010</i> <i>Identified need of Alpha Testers and process.</i> <i>11/06/2010</i> <i>Determination of Alpha Tester NDA submission underway.</i> <i>3/13/2011</i> <i>Alpha testers identified</i>	2/17/11	3/20/11
<b>Alpha QA Iteration</b> <i>03/12/2010</i> <i>Iteration of Alpha test back to testers.</i> <i>3/10/2011</i> <i>Continuing Alpha test result review. Delay of 2 weeks.</i> <i>06/22/2011</i> <i>Alpha Testing completed before Beta was initiated.</i>	2/22/11	4/1/11
<b>Beta Release</b> <i>03/03/2010</i> <i>Beta release to testers.</i> <i>3/30/2011</i> <i>Gather list of Beta Testers</i>	5/25/11	6/16/11
<b>Gather Add'l Tester Information</b> <i>07/20/2010</i> <i>Identified need of Beta Testers and process.</i> <i>05/01/2010</i> <i>Beta testers identified. Ad-hoc provisioning enabled.</i> <i>05/24/2010</i> <i>Beta tester email sent out. Awaiting UDIDS.</i> <i>06/01/2010</i> <i>All UDIDs received and all Beta builds dispersed. Awaiting results.</i>	5/25/11	6/2/11
<b>Beta QA Iteration</b> <i>06/10/2011</i> <i>All Beta feedback received. Need for additional Beta examination underway.</i> <i>06/13/2011</i> <i>No additional Beta testing required.</i>	6/2/11	6/16/11



## Tasks

Name	Begin date	End date
<b>Release Candidate</b> 03/03/2010 Determine timeframe to complete changes from Beta release. Release to larger testing audience.	6/16/11	6/29/11
<b>Transition</b> 03/01/2010 Rough outline of Transition tasks. Further elaboration upon reaching Construction Phase. 09/12/2010 Timeline adjusted for delay for major personal engagement and usability loss.	11/1/10	7/26/11
<b>Public Infrastructure Creation</b> 03/12/2010 Establish public hosting, DNS, technology vendors for public site. 11/1/2010 Public infrastructure version 1 complete. Implementation of Godaddy/google/blogspot sites beginning.	11/1/10	2/2/11
<b>Site Visual Design</b> 03/12/2010 Leverage project visual design assets into web assets. 11/6/2010 Logo design utilized for site design metaphor, color swatches over gray. 12/10/2010 Visual design and implementation complete. Awaiting promotion.	11/20/10	12/26/10
<b>Site SEO</b> 03/12/2010 Optimize site for aggregation on various public and social sites. 11/06/2010 Google site analytics pointed to production domains. 06/01/2011 SEO not prioritized in this phase of project. Will revisit post-implementation. 06/13/2011 Marketing/SEO resource identified for consultation.	1/27/11	2/2/11
<b>Site Development</b> 03/12/2010 Develop site framework and pages. 11/06/2010 Site html/js framework underway. 12/10/2010 Development Complete	11/1/10	11/13/10
<b>Site Promotion</b> 03/12/2010 Determine site promotion timeframe. 12/10/2010 Delay of site promotion until later in month. 05/24/2010 MoraLife exposed on website. Promotion complete.	11/13/10	12/19/10

## Tasks

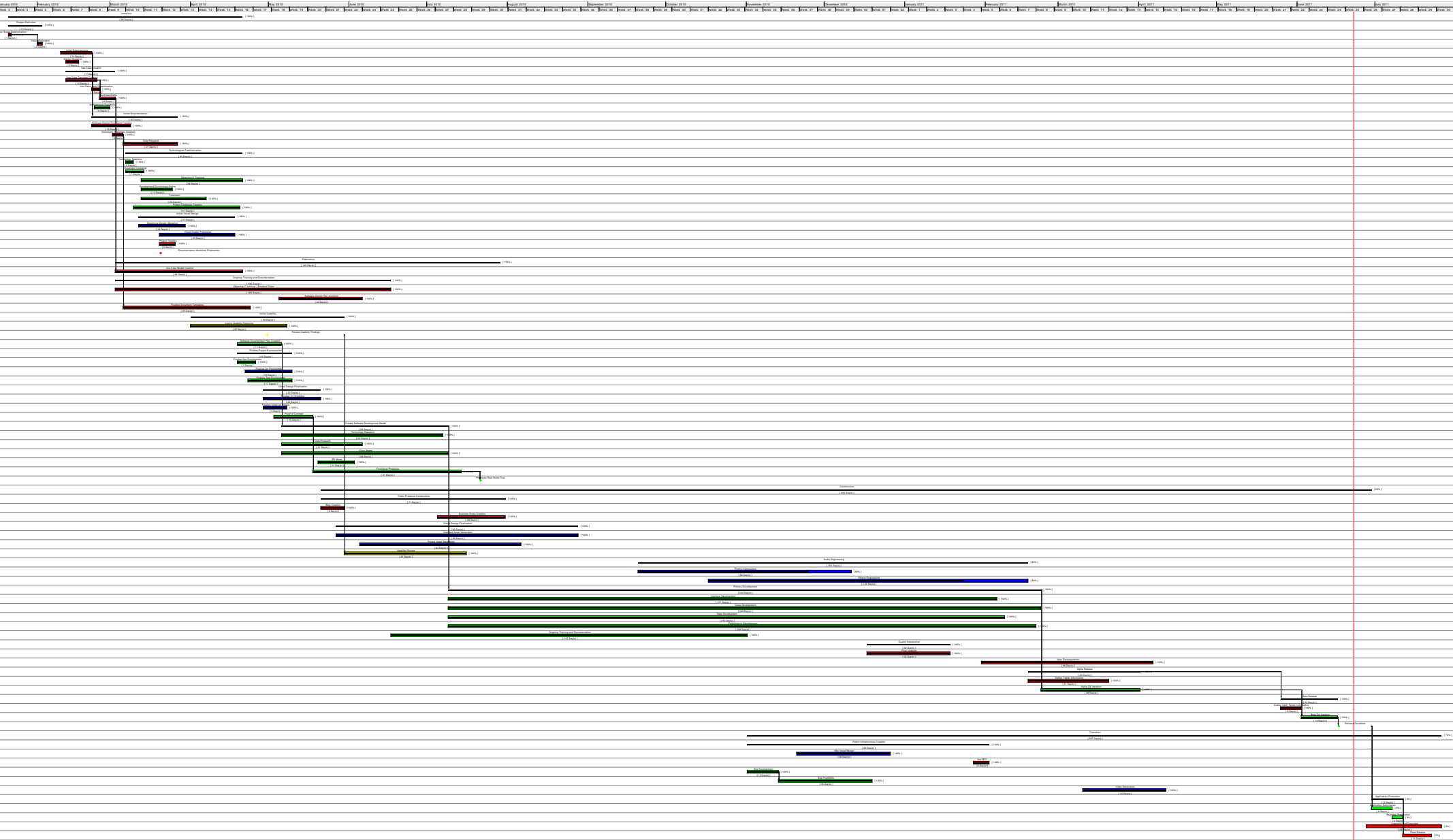
Name	Begin date	End date
<b>Video Generation</b> <i>03/13/2011</i> <i>Generate videos for fundraising demos and instructional use</i> <i>03/20/2011</i> <i>Technical resources identified and gathered (Quicktime, iOS simulator, Impress Presentation, iMovie)</i> <i>03/22/2011</i> <i>Script written</i> <i>03/28/2011</i> <i>First draft of video completed.</i> <i>04/20/2011</i> <i>Final draft of video completed.</i> <i>04/26/2011</i> <i>Video uploaded to Youtube.</i> <i>04/27/2011</i> <i>Kickstarter project completed and submitted for approval.</i> <i>05/01/2011</i> <i>Kickstarter project denied. Will use knowledge/workflow of video creation for training/ad videos post-implementation.</i>	3/10/11	4/11/11
<b>Application Promotion</b> <i>03/12/2010</i> <i>Finalize application and submit for approval.</i>	6/29/11	7/11/11
<b>Application Submission</b> <i>03/12/2010</i> <i>Prepare project for submission to iTunes Connect.</i> <i>06/22/2010</i> <i>Many personal issues arose this quarter. Promotion to App store delayed.</i>	6/29/11	7/7/11
<b>Rejection Preparation</b> <i>03/12/2010</i> <i>Prepare for application rejection. Document code, eliminate bugs/leaks.</i>	7/7/11	7/11/11
<b>Licensing and Copyright</b> <i>03/12/2010</i> <i>Submit product logos, procedures and project for licensing, copyright and patenting.</i> <i>06/22/2010</i> <i>Must identify lawyer.</i>	6/27/11	7/26/11
<b>Press Release</b> <i>03/12/2010</i> <i>Write press release for publishing on public/social sites.</i>	7/11/11	7/22/11

## Resources

19

Name	Default role
PrjMgr	Project Manager
DevMgr	Development Manager
ArtMgr	Graphic Design Manager
QAMgr	Quality Assurance Manager
MktMgr	Marketing Manager
Dev	Developer
Arch	Architect
Art	Graphic Designer
QA	Quality Assurance Tester
Ed	Editor
BA	Business Analyst
Con	External Consultant
Audio	Audio Engineer

Gantt Chart



Resources Chart

