tImplTeamSteele

Personal Software Process Summary

Project Essentials

Name: Zach Bartlett
Instructor: Dr. Page
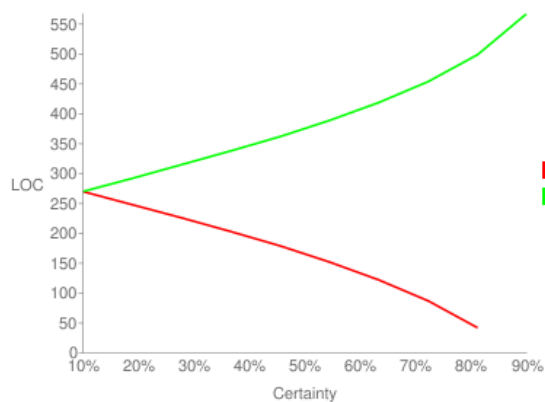**Date:** Nov 11, 2010
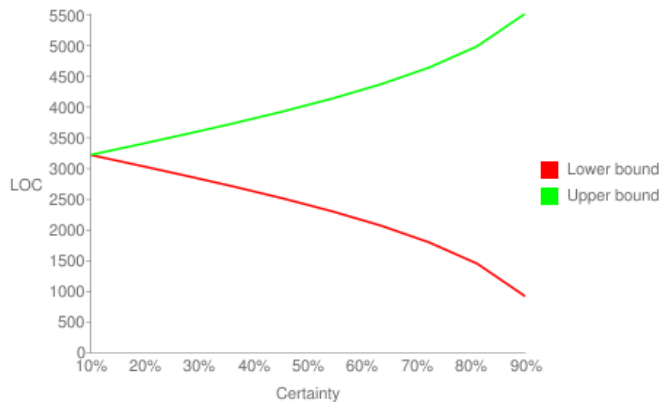**Language:** ---

Lines of Code

Type	Prediction by user	Actual
Added	327	1515
Base	377	394
Modified	0	183
Removed	0	10

PSP Projection

LoC Certainty

Time Certainty

Project Data

Time Per Defect Type

Time Per Phase
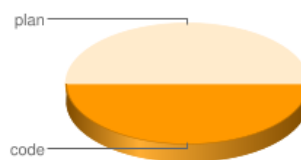
Time by Day

Cumulative Data
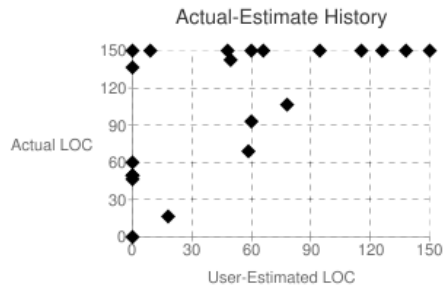
Time Per Defect Type

Time Per Phase
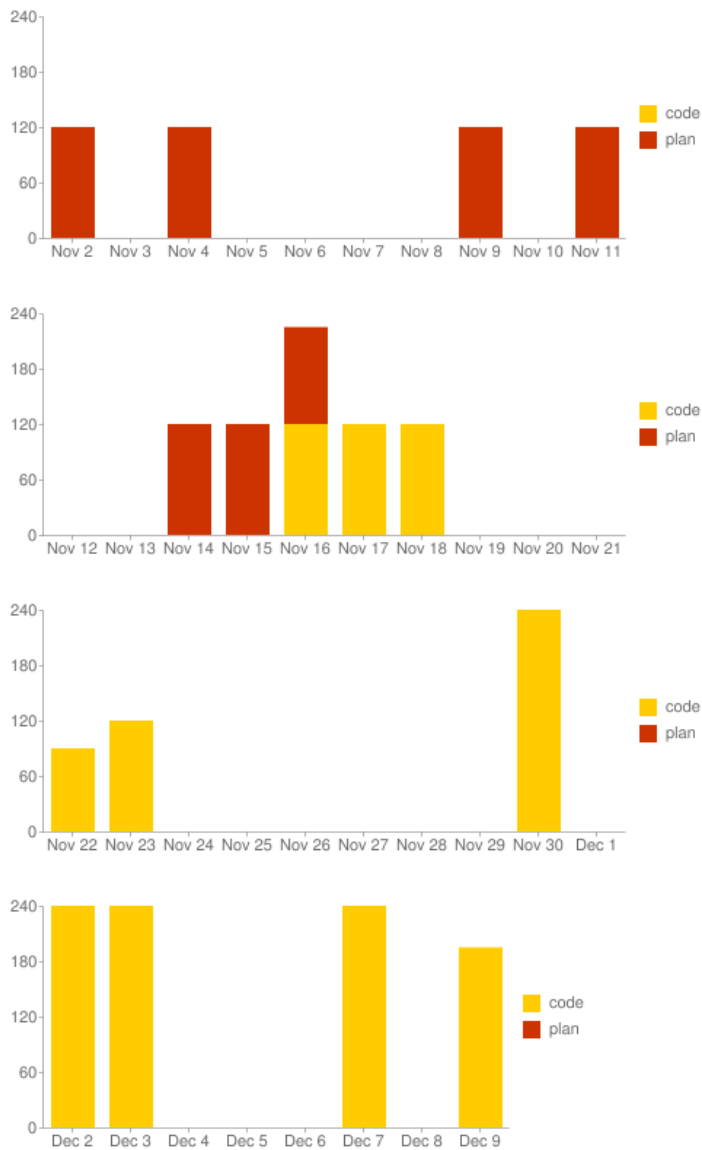
Actual vs Estimated LoC

Actual vs Estimated LoC

Project	Estimate	Actual
iEx5	40	62
Individual Exercise 5	77	156

Actual-Estimate History

Actual LOC

User-Estimated LOC

Bridge Hands with Travelers (iEx5)	12	11
iEx5	33	95
iEx5	40	250
iEx4	84	143
Individual Exercise 4	112	101
Bridge Hand Displays (iEx4)	39	46
iEx4	32	244
iEx4	6	175
iEx3	92	145
Individual Exercise 3	52	71
Dealing Instructions from XML data (iEx3)	44	114
iEx3	0	290
iEx3	63	125
Individual Exercise 2	0	91
iEx2	0	0
Project 2	0	33
Individual Exercise 1	0	40
iEx1	0	31
Project 1	0	33

Time Log

Date	Type	Int. Time	Description
Nov 2, 2010, 3:00 PM - 5:00 PM	plan	0	Completed a rough sketch (design) of modules and interfaces. Discussed Project Description and requirements. Discussed previous code implementations to be used in tImpl.
Nov 4, 2010, 12:00 PM - 2:00 PM	plan	0	Worked more on the design, completed a visio diagram of modules and function definitions and assigned tasks to each team member for tDsgn. Looked more at the project description.
Nov 9, 2010, 3:00 PM - 5:00 PM	plan	0	Brought together the function descriptions, decided on github as our distributed version control system. Assigned additional assignments to team members. Looked even more at project description, noting possible difficulties.
Nov 11, 2010, 3:00 PM - 5:00 PM	plan	0	worked on PSP++ report, discussed the project description more to decide how to manage the linkage aspect. More difficult to do score cards and rankings. Set up github accounts, etc.
Nov 14, 2010, 6:00 PM - 8:00 PM	plan	0	Colby, Edward, and Zach worked on Design Review more. Renamed several functions in design to better explain what they should do. Expanded upon annotations of functions especially in psc / rankings.
Nov 15, 2010, 6:00 PM - 8:00 PM	plan	0	Kye, Brett, and Micah worked on Design Review. Updated PROBE data to be more accurate and appended IO module data.

Nov 16, 2010, 11:45 AM - 1:30 PM	plan	0	Group met to perform a final review of tDsgn and tDsgnreview. Looked over function contracts and descriptions, finalized psp data, finalized architecture.
Nov 16, 2010, 3:00 PM - 5:00 PM	code	0	Decided to use Ed's iex5 as a starting point for tImpl. Looked over code and began work on splitting up existing code into modules and interfaces. Realized we needed to repackage xmlminidom and basiclex into modules/interfaces as well.
Nov 17, 2010, 6:00 PM - 8:00 PM	code	0	Ed worked on updating xmlminidom and repackaging it inside a module/interface.Kye worked on repackaging IO. Micah worked on creating module/interface stubs for Rankings. Colby worked on creating module/interface stubs PSC. Zach and Brett worked on repackaging Board.
Nov 18, 2010, 3:00 PM - 5:00 PM	code	0	Discussed tDsgn with group and began to understand, after creating modules / interfaces, what else would be required in modules. Focused primarily on Rankings and PSC modules / interfaces as they would require the most work.
Nov 22, 2010, 11:30 PM - 1:00 PM	code	0	Zach put together a general idea of what getseparateresults should look like. This included a mix of code and psuedo code comments.
Nov 23, 2010, 3:00 PM - 5:00 PM	code	0	Reviewed Mboard for tCodeRvw during class time. Group was able to cover this entire module (around 260 lines).
Nov 30, 2010, 11:45 AM - 3:00 PM	code	0	Met and reviewed code so far. For this session this included going over the implemented functions so far in Mio (including boards-no-trav, boards-trav, and main primarily).
Nov 30, 2010, 3:00 PM - 5:00 PM	code	0	Group met and fixed getseparateresults. Needed a somewhat complicated mixture of mv-let structures and associated lists from these mv-let structures to create an easily searchable list based on the unique id of a direction, id, and section.
Dec 2, 2010, 11:45 AM - 6:00 PM	code	0	Group met and worked on Tmio and PSC. Ed, Colby, Micah, and Zach worked on implementing PSC and Brett and Kye worked on getting all other modules debugged and runnable in Tmio. PSC currently outputs all but Rankings related information.
Dec 2, 2010, 6:00 PM - 7:30 PM	code	0	Colby worked on Rankings module to implement getcontestants and a few helper xml node functions.
Dec 3, 2010, 1:30 PM - 6:00 PM	code	0	Group worked together on finishing up the implementations to Rankings module. Created a few new functions (serializedcontestants, etc.) and renamed functions to fit scheme. Rankings is finished other than creating a list of name ID pairs for PSC.
Dec 7, 2010, 11:45 AM - 3:00 PM	code	0	Colby worked on getcontestants and above, Micah worked on cleaning up the CSS.
Dec 7, 2010, 3:00 PM - 6:00 PM	code	0	Colby and Zach fixed PSC to display names for IDs in the "Versus" column. Group worked on contracts.

| Dec 7, 2010, 9:00 PM - 11:00 PM | code | 0 | Ed worked on Ixmlminidom and created a working property function as well as functions that create "dummy" xml data. |
| Dec 9, 2010, 11:45 AM - 3:00 PM | code | 0 | Finished up contracts, cleaned up design, worked on finalizing psp, made final changes to headers for psc cards. |

Defect Log

Date	Phase	Fix Time	Description
Nov 4, 2010	Conceptual	15	Realized XML files given as examples had given schemas. Resulted in less work required to differentiate between placement of results tags for boards.
Nov 4, 2010	Conceptual	30	Wrote new xmlminidom (utilities) functions that performs a Depth First Search of nodes of a particular name.
Nov 9, 2010	Conceptual	20	Decided that getseparateresults needed a helper function to send results data that is not appended with html tags.
Nov 14, 2010	Conceptual	30	Decided that board functions required addition specification and new names (serialized...).
Nov 16, 2010	Conceptual	45	Realized the need for functions that returned results in a way that could be easily searched based on a player's ID (direction, id, and section). Additionally this information cannot be serialized in html.
Nov 23, 2010	Conceptual	35	Fixed many syntax errors in Mboard and Mio, such as incorrect sigs and defuns and misplaced parenthesis. Ed, Zach, and Colby focused on Mboard and Brett, Kye, and Micah focused on Mio.
Nov 30, 2010	Conceptual	35	Realized we needed to remove the old mv associated list structure from the list of associated lists we were creating after inserting its old information with our new information from a new board. This way a search on these lists returns a single list.
Nov 30, 2010	Conceptual	15	Realized we need to pass in an initial north-south and east-west list to allow the structure of building the associated mvs we wanted. Called these ns1 and ew1.
Nov 30, 2010	Conceptual	45	Called wrong let in getseparateresults. Wanted TotalScore attribute text and gave function TotalScore node.
Dec 2, 2010	Conceptual	25	Fixed error in getAllPairs where ew list was being iterated needlessly along with ns, causing the function to end on the end of the ns pairs and check only whatever ew pairs whose index was after the length of ns.
Dec 2, 2010	Conceptual	35	Fixed problem in linking in Tmio where the order of the linkage mattered in terms of what modules relied on other modules.

Dec 3, 2010	Conceptual	25	Created function sortmvranks so that we could fix an error where the lack of an A rank would cause an error in serializedrankings not outputting B and C if they existed, likewise with B not existing but C existing.
Dec 3, 2010	Conceptual	10	Replaced nil in sortmvranks with to solve need for separate handling of empty table entries.
Dec 3, 2010	Conceptual	15	Fixed error syntax error in Rankings function sortmvranks, (mvs) should have been mvs, confused compiler.
Dec 3, 2010	Conceptual	10	Fixed infinite loop in rankings, forgot ending condition on serializedrankings after modifing it.
Dec 3, 2010	Conceptual	30	Fixed error where Rankings function sortmvranks was taking in the wrong order of ranks (such as Section / Overall).
Dec 7, 2010	Conceptual	30	Fixed error where Rankings function sortmvranks was taking in the wrong order of ranks (such as Section / Overall).
Dec 8, 2010	Conceptual	10	Moved bfsfindnodes out of rankings and into xmlminidom (personal score cards module now uses and made sense).
Dec 8, 2010	Conceptual	15	Fixed formatting in link header for all files.
Dec 8, 2010	Conceptual	25	Made significant formatting changes to all html, centered output and table width.
Dec 8, 2010	Syntax	10	Improper signatures for new functions
Dec 8, 2010	Conceptual	20	Fixed sigs for many functions that were being modified.
Dec 8, 2010	Banjos	15	Fixed length of ragtime.wav to match property test time.