

Subconscious Analysis Software Acceptance Test

Enigma Elucidation
April 25, 2012

Welcome

Client:

Dr. Eric Breimer

Associate Professor of Computer Science

Siena College

& other guests



Agenda

- ▶ **Introduction**
- ▶ Problem Overview
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions



Introduction

- ▶ Megan DeRudder – Team Leader
- ▶ Christopher Black – Database Administrator
- ▶ Lindsay Kulzer – Lead Web Administrator
- ▶ Amanda Kurz – Documentarian
- ▶ Nathan Levine – Lead Project Engineer
- ▶ Daniel West – System Administrator



Agenda

- ▶ Introduction
- ▶ **Problem Overview**
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions



Problem Overview

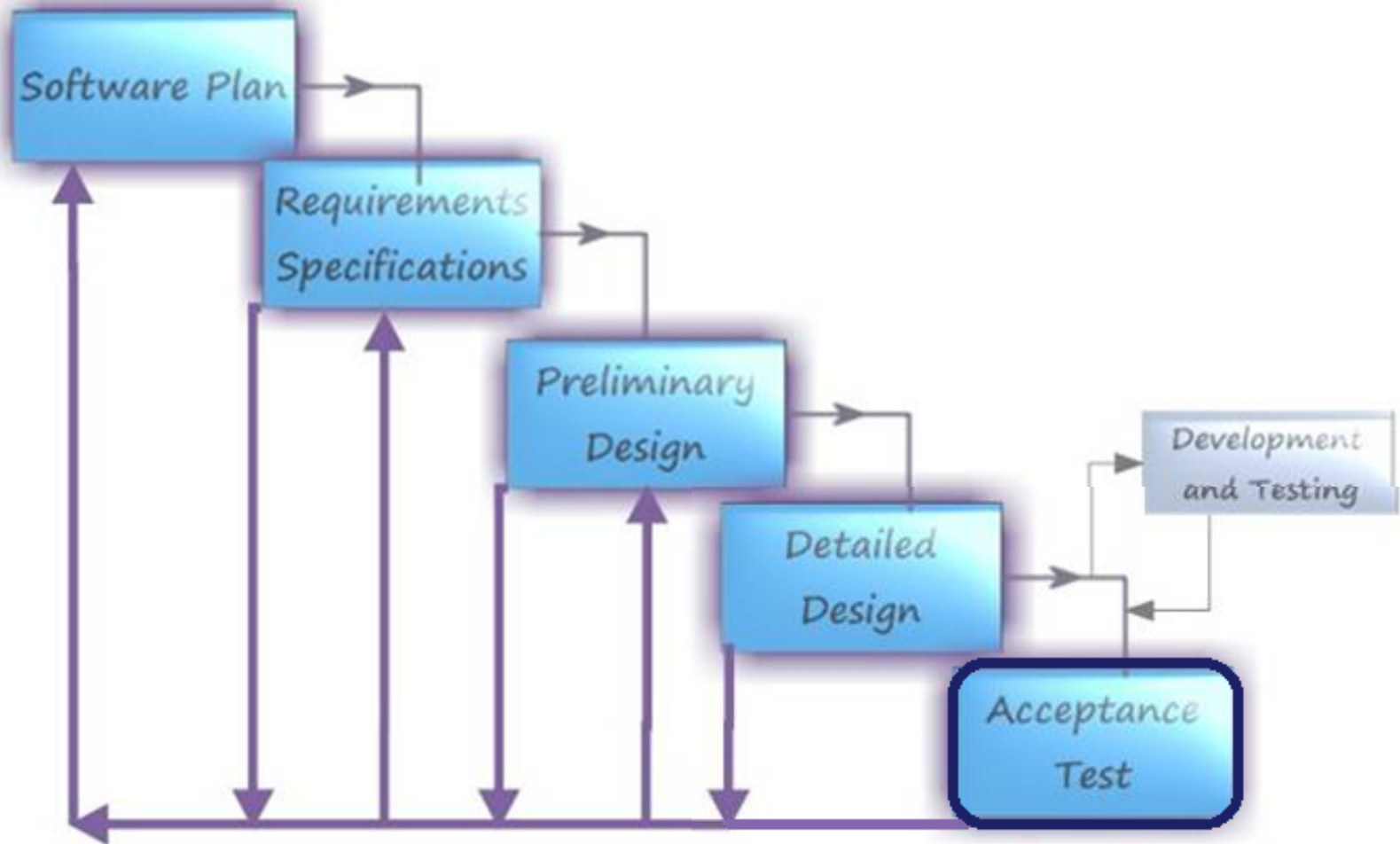
- ▶ Implicit Association Test(IATs)
 - Creation
 - Distribution
 - Analyze and Export Data
 - FSH Tech



Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ **Project Progression**
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions





Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ Project Progression
- ▶ **Functional Requirements**
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions



Functional Requirements: Administrator

- ▶ Log in / Log out
- ▶ Retrieve Password
- ▶ Create IAT
 - Create Survey
 - Choose four unique categories
 - Choose Stimuli
 - Delete Stimuli

Functional Requirements Participant

- ▶ View Directions
- ▶ Take Survey
- ▶ Take IAT
 - View all categories/ stimuli
 - Complete Blocks
 - Move to Next Block



Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ **Nonfunctional Requirements**
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions

Non-Functional Requirements

- ▶ The system must be aesthetically pleasing
- ▶ The system must be easy to use
- ▶ The system must be independent of any localized server
- ▶ The system must be platform independent.

Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ **Testing Overview**
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions



Unit Test – Login

enigma elucidation

Login Unit Test

This unit test will explore all the variations of username and password combinations that may be inputted

Test Cases										
Pass/ Fail Status	Test Number	Description	Action to perform test (input)	Steps to be Executed	State Before Test	Expected Results	Observed Results	Comments	Tested By	Test Date
P	1.001	Force user to log in to FILET before linking into SAS	Link to enigma without logging on	Link to enigma without logging on	Not logged on	You are denied access and given a link to FSH's login			Nathan Levine	4/25/2012
P			100% Passing			1 passed		Date of last test =	4/25/201	
	1 test					0 failed				

Unit Test – Querying the Database

enigma elucidation

Querying the Database Unit Test

This unit test will explore all the variations of queries to the database.

Test Cases										
Pass/ Fail Status	Test Number	Description	Action to perform test (input)	Steps to be Executed	State Before Test	Expected Results	Observed Results	Comments	Tested By	Test Date
P	2.001	Checks Database Connection	Query database	Execute a query from the PHP code	Database exists	Connects to Database with no errors			Nathan Levine	4/25/2012
P	2.002	Insert data into table	Input data into corresponding fields	Runs a query updating the table to contain the new data	Table exist	The table's data will be updated			Nathan Levine	4/25/2012
P	2.003	Delete data from table	Enter table name and data to be deleted	Runs a query deleting the data from the specified table	Table and data exist	The specified data is deleted			Nathan Levine	4/25/2012
P	2.004	Query database	Enter table name and data to be displayed	Runs a query returning desired data from specific table	Table and data exist. Data generated by hand, not by IAT	The specified data is displayed			Nathan Levine	4/25/2012
P	2.005	Check for non-existent table	Enter table name	Runs a query looking for specific table	Table does not exist	Output "Table Does Not Exist"			Nathan Levine	4/25/2012
F	2.006	Insert invalid data into table	Enter table name and data into corresponding field	Run a query inserting new data in table	Table exist, but input data is not the right type	Output "Invalid Data"		Will display broken image	Nathan Levine	4/25/2012
P	2.007	Check that tables properly connect to eachother	Enter table names and data to be displayed	Runs a query that joins all of the tables together	Some data should be in each table that is not listed in one of the other tables. The rests should be referenced in all the tables.				Nathan Levine	4/25/2012
F	:= Unit Summary			85.7% passing		6 passed				
	7 test					1 failed		Date of last test = 4/25/2012		

Unit Test – Create IAT

enigma elucidation

Create IAT Unit Test

This unit test will explore all the variations of input and link usage to create an IAT

Test Cases										
Pass/ Fail Status	Test Number	Description	Action to perform test (input)	Steps to be Executed	State Before Test	Expected Results	Observed Results	Comments	Tested By	Test Date
P	3.001	Test link to Create Survey	Click on Create Survey Button	Click on Create Survey Button	The Create Survey Page	Lime Survey Login Page			Nathan Levine	4/25/2012
P	3.002	Choose Categories	Input four unique categories	Click on Update Button	All four category fields full and unique	"Add Stimuli" option created			Nathan Levine	4/25/2012
P	3.003	Input Invalid Categories	Input repeat categories	Click on Update Button	Repeated words in category fields	Output "Please input four unique categories!"			Nathan Levine	4/25/2012
P	3.004	Blank category field	Leave 1(or more) categories blank	Click on the Update Button	Blank category field	Output "Please input four unique categories!"			Nathan Levine	4/25/2012
P	3.005	Repeat for 3.004 for all categories							Nathan Levine	4/25/2012
P	3.006	Test delete link	Click "delete" link	Click "Delete" Link	Stimuli Table with delete links	Stimuli deleted from table	Doesn't delete the right data		Nathan Levine	4/25/2012
P	3.007	Test Finish Link	Click "finish" button	Click "finish" button	Full Stimuli Tables	Confirmation Page			Nathan Levine	4/25/2012
P	3.008	Test "Go Back!" Link	Click "Go Back!" button	Click "Go Back!" button	Confirmation Page	Create IAT Page			Nathan Levine	4/25/2012
P	3.009	Test "Yes, finish the test!" Link	Click "Finish" button	Click "finish" button	Confirmation Page	New IAT			Nathan Levine	4/25/2012
P	:= Unit Summary		100% Passing			9 passed		Date of last test =	4/25/2012	
	9 test					0 failed				



Unit Test– Take IAT

enigma elucidation

Take IAT Unit Test

This unit test will explore all the input variations and links while taking an IAT

Test Cases										
Pass/ Fail Status	Test Number	Description	Action to perform test (input)	Steps to be Executed	State Before Test	Expected Results	Observed Results	Comments	Tested By	Test Date
P	4.001	Test Link to IAT from given URL	Click on URL or enter URL into browser	Go to URL	Email or Open Browser	Instructions pop up upon entering the IAT			Nathan Levine	4/25/2012
P	4.002	Survey Link	Test survey link from directions page	Press Link to Survey	Directions page	Survey Page			Nathan Levine	4/25/2012
P	4.003	Incomplete Survey	Do not complete survey	Leave mandatory fields of survey blank	Survey	Error message "Please complete survey before completing IAT"		LimeSurvey takes care of this	Nathan Levine	4/25/2012
P	4.004	Complete Survey	Complete survey	Finish survey	Survey	Directions page of IAT		LimeSurvey takes care of this	Nathan Levine	4/25/2012
P	4.005	Directions Page	Test continue link from directions page	Press Spacebar	Directions page	First "Block" of the IAT			Nathan Levine	4/25/2012
P	4.006	Correctly sort stimuli	Sort the stimuli correctly using E and I keys	Press E (to sort left) and I (to sort right)	Stimuli Object	Next stimuli Object appears			Nathan Levine	4/25/2012
P	4.007	Incorrectly sort stimuli	Sort stimuli to wrong category	Press E (to sort left) and I (to sort right)	Stimuli Object	A red "X" appears over stimuli object			Nathan Levine	4/25/2012
P	4.008	Input invalid key	Press any other key then E or I	Press any other key then E or I	Stimuli Object	Ignores Input			Nathan Levine	4/25/2012
P	4.009	Finish "block"	Moving to next IAT "block"	Press space bar	Message "You have completed this block, the next section will have new categories. Press space bar to continue"	First Stimuli object of next block of IAT			Nathan Levine	4/25/2012
P	4.01	Finish IAT	Complete all blocks of IAT	Complete all blocks of IAT	Last page of IAT	Message "Thank you for taking this IAT"			Nathan Levine	4/25/2012
P	4.011	Sudden End of Session	Exit IAT in the middle of the test	Close IAT	Take IAT	Doesn't store data in database			Nathan Levine	4/25/2012
P	:= Unit Summary		100% Passing			11 passed		Date of last test =	4/25/2012	
	11 test					0 failed				

Upload Stimuli

enigma elucidation

Add Stimuli Unit Test

This unit test will explore all the variations while adding stimuli

Pass/ Fail Status	Test Cases		Action to perform test (input)	Steps to be Executed	State Before Test	Expected Results	Observed Results	Comments	Tested By	Date Tested
	Test Number	Description								
P	5.001	Radio Button Stimuli Type	Toggle both Stimuli type values for Radio Button	Click one button, then click the other.	Radio Button set to default (word), nothing inputted	The word button activates empty text box and deactivates image browse button. The image button activates browse button and deactivates the text box.	Matches the Expected Results Exactly		Nathan Levine	4/25/2012
P	5.002	Uploading stimuli image	Input an appropriate root and extension to image	Browse for image, Click Add Stimuli	Stimuli field with valid input	Stimuli added to stimuli table	Stimuli is added to the table, you can see it in the listing		Nathan Levine	4/25/2012
P	5.003	Uploading stimuli text	Input text	Type in word into stimuli field, Click Add Stimuli	Stimuli field with valid input	Stimuli added to stimuli table	Stimuli is added to the table, you can see it in the listing		Nathan Levine	4/25/2012
P	5.004	Input invalid link to image	Input an invalid root or extension to image	Browse for image, Click Add Stimuli	Stimuli field with invalid input	Output "Can not upload image, try again!"	You can upload word docs as pictures		Nathan Levine	4/25/2012
P	5.005	Do not select a category type	Do not select a radio button	Click Add Stimuli	No Selected Radio Button	Output "Please select a category"	Proper message prints to screen		Nathan Levine	4/25/2012
P	5.006	Add Stimuli	Input valid stimuli and chose 1 category	Click Add Stimuli	Stimuli field with valid input and category selected	Stimuli added to stimuli table	Stimuli is added to the table, you can see it in the listing.		Nathan Levine	4/25/2012
P	5.007	Check Image Size	Select Image that is too big	Click Add Stimuli	Stimuli is not added	Scales down the image to an acceptable size	Scales down the image to an acceptable size	The original plan was to print a warning, and then we changed the functionality.	Nathan Levine	4/25/2012
P	5.008	Check Image Type	Select Image that is not in correct format	Click Add Stimuli	Stimuli is not added	Output "Image is not in correct format!"			Nathan Levine	4/25/2012
P	:= Unit Summary 8 test		100% Passing			8 passed 0 failed		Date of last test =	4/25/2012	



Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ **Demonstration**
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions



Demonstration

- ▶ Project SAS at work



Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions

Where are the Deliverables?

- ▶ The deliverables will include:
 - All files making up and pertaining to Project SAS
 - Updated Team Website
 - Recorded Version and Performance of Team Song

Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ **What's Next?**
- ▶ Questions



What's Next?

- ▶ Future Improvements
- ▶ April 27th – Academic Celebration
- ▶ April 30th – End of the Semester Party
- ▶ May 1st – Reading Day
- ▶ May 2nd – May 8th Final Exams
- ▶ May 12th – Computer Science graduation party
- ▶ May 13th – Commencement

Agenda

- ▶ Introduction
- ▶ Problem Overview
- ▶ Project Progression
- ▶ Functional Requirements
- ▶ Nonfunctional Requirements
- ▶ Testing Overview
- ▶ Demonstration
- ▶ Deliverables
- ▶ What's Next?
- ▶ Questions

Questions?



enigma
elucidation

