SWE 3613 Status Report

IMPORTANT: File naming instructions

Name this file in the following manner: YYYYMMDD_TEAM_NAME_HERE.pdf

Example: 20120911_Group1.pdf

Project Name	Forager - Group 4
Team Members	Robin Mays, Thomas Couture, Matthew Powell, Lee Hall
Week Ending:	10/23/2012
Cycle	Cycle 1
System Metaphor	The system is designed to check through the entire SPSU domain and return a detailed report. This report should include all errors including dead links, missing images, scripts, and css files. All reports created should be stored and accessable through an easy to use user interface. These reports should also be sortable to make it easier to find certain reports, as well as comparable to each other to check and see the differences between them. It was also include features such as pausing, stoping, or restricting a search.
Cycle Intent	The intent of this cycle is to get the web crawler working. That includes getting the web crawler to not just search through the different pages, but to also return the errors that it encounters. We also plan on taking those results and putting them into a user friendly report to be examined through our user interface. We plan on having the web crawler functional through our user interface. We also plan on completing the login for security purposes.

#	User Story	Planned			Actual		
		Cycle planned for completion	Total planned hours	Planned hours this cycle	Status	Actual hours this cycle	Total hours
1	As a user, I would like to be able to visit and access all pages of my website.	1	20	20	Unstarted	0	
2	As a user, I would like this program to record any resources that are unavailable, including dead links, missing images, scripts or css files.	1	20	20	Design	3	3
3	As a user I must be able to view a report of a given scan. This report should show all broken links and missing images that fall under my domain. These scans should be	1	30	30	Design	3	3
4	As a user, I would like to view scans and start new scans from a website.	1	20	20	Unstarted	0	
5	As a user viewing a report, I should be able to generate that report in a printer friendly format.	2	10	0	Unstarted	0	
6	As a user viewing a report, I should be able to generate that report in a printer friendly format.	2	10	0	Unstarted	0	
7	As a user, I would like to be able to select two scans and show only the items that have changed.	2	6	0	Unstarted	0	
8	As a user viewing a report, I should be able to view reports from scans that are in progress.	2	4	0	Unstarted	0	
9	As a user, I would like to be able to limit the run time of a scan when I start it, either by time, or by distance from the start page.	2	12	0	Unstarted	0	
10	As a user I would like to select a scan, and run a new scan that will check if the previous errors have been corrected.	2	10	0	Unstarted	0	
11	As a user, I would like for reports to include pages that are accessible over secured links.	2	8	0	Unstarted	0	
12	As a user, I would like to sort a report based on the subdomain.	2	14	0	Unstarted	0	
13	As a user, I should have to login before initiating a scan or viewing a report.	1	2	2	Completed	1	1
14	As a user, I might like to pause a scan that was currently in progress.	2	4	0	Unstarted	0	
15	As a user, having Scans that were automatically run at regular intervals.	2	6	0	Unstarted	0	
16	As a user I would like to see page load times in my reports.	2	2	0	Unstarted	0	
		Planned Total	178	92	**Actual Total**	7	7

SWE 3613 Status Report

Date	10/23/2012
Members	Robin Mays, Thomas Couture, Matthew Powell, Lee Hall
Project	Forager - Group 4

HOURS BY DEVELOPMENT ACTIVITY

Name	Requirements			Design / Prototype			Development / Code			Integrate / Test			Documentation			Totals		
	Cycle Plan	Week Actual	Cycle Total	Cycle Plan	Week Actual	Cycle Total	Cycle Plan	Week Actual	Cycle Total	Cycle Plan	Week Actual	Cycle Total	Cycle Plan	Week Actual	Cycle Total	Cycle Plan	Week Actual	Cycle Total
Robin Mays		3	3				25							0.5	0.5	25	3.5	3.5
Thomas Couture		2	2		2	2	25							2	2	25	6	6
Matthew Powell		3	3		2	2	20							0.5	0.5	20	5.5	5.5
Lee Hall		3	3		2	2	20							3	3	20	8	8
Totals:	0	11	11	0	6	6	90	0	0	0	0	0	0	6	6	90	23	23

HOURS BY USER STORY

Name	1		2		3		4		5		6		7		8		9	
	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle
Robin Mays																		
Thomas Couture					2	2												
Matthew Powell			2	2														
Lee Hall			1	1	1	1												
Totals:	0	0	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0

Name	10		11		12		13		14		15		16		0		Totals	
	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle	This Week	This Cycle
Robin Mays																	0	0
Thomas Couture																	2	2
Matthew Powell																	2	2
Lee Hall							1	1									3	3
Totals:	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	7	7

Accomplishments since last status report:

Completed the User Stories. Divided up the work load for the project. Database and backend set up. Github up and ready.

Obstacles encountered since last status report:

Risks facing the project:

We could have library problems dealing with SSL pages. This can be mitigated by research, and is not a huge issue as it's a relatively low priority story. We could have communications problems between the report viewer and the web crawler.This would be a huge issue. A backup plan might be to use python to generate JSON directly from pickled object from the webcrawler, or potentially generate oneshot reports directly in the webcrawler, those these options are both less flexible.

Objectives for the next week:

Have the webcrawler complete and ready to be integrated into the UI. Have the UI complete and ready for the integration. Login page completed. Begin work on report viewing.

Notes:

Database and Github was reused from last project. Work to shift over from last project to this was minimal (10 minutes) and thus not added in to the work.

SWE 3613 Timesheet

Project Name:	Forager - Group 4
Member:	Robin Mays
Week Ending:	23-Oct-2012

Team Member Work Summary			
Day:	*Monday*	**Task(s) performed:**	
Date:	10/22/2012	**Result:**	
Hours Worked:	0	**Problems encountered:**	
Day:	*Tuesday*	**Task(s) performed:**	Status Report
Date:	10/23/2012	**Result:**	Completed personal section of Report/proof read.
Hours Worked:	0.5	**Problems encountered:**	
Day:	*Wednesday*	**Task(s) performed:**	Worked on User Stories
Date:	10/17/2012	**Result:**	Work towards completion of first draft.
Hours Worked:	2	**Problems encountered:**	
Day:	*Thursday*	**Task(s) performed:**	
Date:	10/18/2012	**Result:**	
Hours Worked:	0	**Problems encountered:**	
Day:	*Friday*	**Task(s) performed:**	Final User Stories
Date:	10/19/2012	**Result:**	Work towards completion of first draft.
Hours Worked:	1	**Problems encountered:**	
Day:	*Saturday*	**Task(s) performed:**	
Date:	10/20/2012	**Result:**	
Hours Worked:	0	**Problems encountered:**	
Day:	*Sunday*	**Task(s) performed:**	
Date:	10/21/2012	**Result:**	
Hours Worked:	0	**Problems encountered:**	

SWE 3613 Timesheet

Project Name:	Forager - Group 4
Member:	Thomas Couture
Week Ending:	23-Oct-2012

			Team Member Work Summary
Day:	Monday	Task(s) performed:	
Date:	10/22/2012	Result:	
Hours Worked:	0	Problems encountered:	
Day:	Tuesday	Task(s) performed:	Weekly Status Report
Date:	10/23/2012	Result:	Completed Weekly Status report
Hours Worked:	2	Problems encountered:	
Day:	Wednesday	Task(s) performed:	Worked on User Stories
Date:	10/17/2012	Result:	Work towards completion of first draft.
Hours Worked:	1	Problems encountered:	
Day:	Thursday	Task(s) performed:	
Date:	10/18/2012	Result:	
Hours Worked:	0	Problems encountered:	
Day:	Friday	Task(s) performed:	Final Copy of User Stories
Date:	10/19/2012	Result:	Work towards completion of first draft.
Hours Worked:	1	Problems encountered:	
Day:	Saturday	Task(s) performed:	
Date:	10/20/2012	Result:	
Hours Worked:	0	Problems encountered:	
Day:	Sunday	Task(s) performed:	Swaign work for UI
Date:	10/21/2012	Result:	Made progress on design of user story 3 and overall UI
Hours Worked:	2	Problems encountered:	slight language learning curve

SWE 3613 Timesheet

Project Name:	Forager - Group 4
Member:	Matthew Powell
Week Ending:	23-Oct-2012

Team Member Work Summary

Day:	*Monday*	**Task(s) performed:**	Design for User Story 2
Date:	10/22/2012	**Result:**	
Hours Worked:	2	**Problems encountered:**	
Day:	*Tuesday*	**Task(s) performed:**	Weekly Status Report
Date:	10/23/2012	**Result:**	Completed personal section of report/proof read.
Hours Worked:	0.5	**Problems encountered:**	
Day:	*Wednesday*	**Task(s) performed:**	First Draft of User Stories
Date:	10/17/2012	**Result:**	Completed first draft
Hours Worked:	2	**Problems encountered:**	
Day:	*Thursday*	**Task(s) performed:**	
Date:	10/18/2012	**Result:**	
Hours Worked:	0	**Problems encountered:**	
Day:	*Friday*	**Task(s) performed:**	Final draft of user stories
Date:	10/19/2012	**Result:**	work towards the completion of the final draft.
Hours Worked:	1	**Problems encountered:**	
Day:	*Saturday*	**Task(s) performed:**	
Date:	10/20/2012	**Result:**	
Hours Worked:	0	**Problems encountered:**	
Day:	*Sunday*	**Task(s) performed:**	
Date:	10/21/2012	**Result:**	
Hours Worked:	0	**Problems encountered:**	

SWE 3613 Timesheet

Project Name:	Forager - Group 4
Member:	Lee Hall
Week Ending:	23-Oct-2012

Team Member Work Summary			
Day:	**Monday**	Task(s) performed:	
Date:	10/22/2012	Result:	
Hours Worked:	0	Problems encountered:	
Day:	**Tuesday**	Task(s) performed:	Documentation, Coding
Date:	10/23/2012	Result:	Setup documentation for burndown charts, Created login
Hours Worked:	3	Problems encountered:	Excel is occasionally ornery about pasting formulas
Day:	**Wednesday**	Task(s) performed:	Worked on user stories
Date:	10/17/2012	Result:	Worked towards completion of first draft.
Hours Worked:	2	Problems encountered:	
Day:	**Thursday**	Task(s) performed:	
Date:	10/18/2012	Result:	
Hours Worked:	0	Problems encountered:	
Day:	**Friday**	Task(s) performed:	Final User Stories
Date:	10/19/2012	Result:	Worked towards completion of first draft.
Hours Worked:	1	Problems encountered:	
Day:	**Saturday**	Task(s) performed:	Design
Date:	10/20/2012	Result:	Built database schema
Hours Worked:	2	Problems encountered:	
Day:	**Sunday**	Task(s) performed:	
Date:	10/21/2012	Result:	
Hours Worked:	0	Problems encountered:	
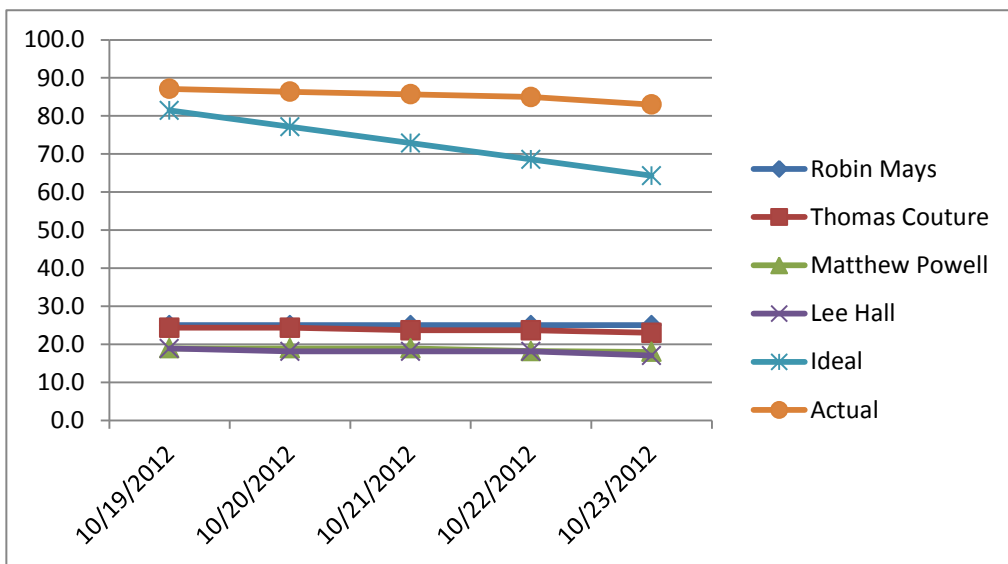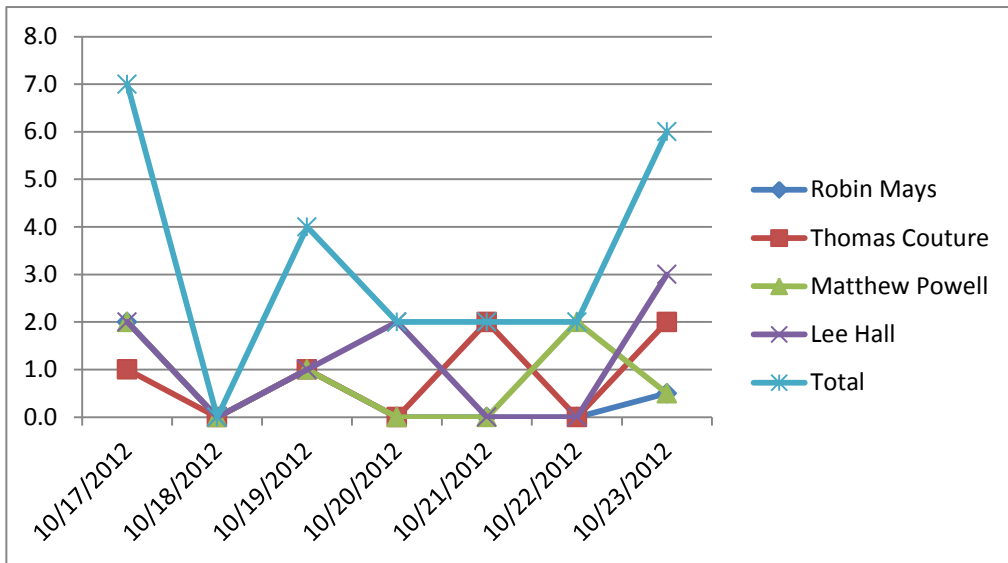
Group 4

Forager Meeting Minutes

Opening:
The first meeting of *Group4* was called to order at 6:00 pm on October 16, 2012 at SPSU by The Team.

Present:
Matthew Powell
Robin Mays
Thomas Couture
Samuel Hall

Present:

A. **Approval of Agenda**

   The agenda was unanimously approved as discussed.

B. **Approval of Minutes**

   The minutes of the previous meeting are available for viewing.

C. **Opening Issues**

   Prepare for post-mortem and sprint retrospective for the Honeycomb project.

D. **New Business**
   Review user stories/requirements for Forager's two sprints. Discuss Risk Mitigation for the upcoming sprints.

E. **Agenda for Next Meeting**

   Design architecture for Forager and review and update risk mitigation plan.

Adjournment:
This meeting was adjourned at 7:30pm by The Team. The next general meeting will be at 6:00pm on October 23, 2012 at SPSU.

Minutes submitted by: Robin Mays

Approved by: Matthew Powell

Opening:
The first meeting of *Group4* was called to order at 6:00 pm on October 18, 2012 at SPSU by The Team.

Present:
Matthew Powell
Robin Mays
Thomas Couture
Samuel Hall

Present:

A. **Approval of Agenda**

The agenda was unanimously approved as discussed.

B. **Approval of Minutes**

The minutes of the previous meeting are available for viewing.

C. **Opening Issues**

Complete risk mitigation and sprint planning.

D. **New Business**
Review user stories/requirements for Forager's two sprints. Discuss and update risk mitigation for the upcoming sprints.

User Stories/Requirements:
ID: 1
As a user, I would like to be able to visit and access all pages of my website.
Priority: 10, Cost: 20

ID: 2
As a user, I would like this program to record any resources that are unavailable, including dead links,
missing images, scripts or css files.
Priority: 10, Cost: 20

ID: 3
As a user I must be able to view a report of a given scan. This report should show all broken links and
missing images that fall under my domain. These scans should be listed and accessible from a website.

Priority: 10, Cost: 30

ID: 4
As a user I would like to view scans and start new scans from a website.
Priority:10, Cost 20

ID: 5
As a user, I would like to be able to sort the reports that are presented to me. Useful sorting functions
would be: by the order in which the pages were visited, alphabetically, and alphabetically by the parent
page.
Priority: 7, Cost: 10

ID: 6
As a user viewing a report, I should be able to generate that report in a printer friendly format.
Priority: 6, Cost: 10

ID:7
As a user, I would like to be able to select two scans and show only the items that have changed.
Priority: 6, Cost: 6

ID: 8
As a user viewing a report, I should be able to view reports from scans that are in progress.
Priority: 6, Cost: 4

ID:9
As a user, I would like to be able to limit the run time of a scan when
I start it, either by time, or by distance from the start page.
Priority: 6, Cost: 12

ID: 10
As a user I would like to select a scan, and run a new scan that will check if the previous errors have
been corrected.
Priority: 5, Cost: 10

ID: 11
As a user, I would like for reports to include pages that are accessible
over secured links.
Priority: 5, Cost: 8

ID:12
As a user, I would like to sort a report based on the subdomain.

Priority: 3, Cost: 14

ID: 13
As a user, I should have to login before initiating a scan or viewing a report.
Priority: 3, Cost: 2

ID:14
As a user, I might like to pause a scan that was currently in progress.
Priority: 2, Cost: 4

ID: 15
As a user, having Scans that were automatically run at regular intervals.
Priority: 1, Cost: 6

ID:16
As a user I would like to see page load times in my reports.
Priority:1 Cost: 2

Risk mitigation plan:
We could have library problems dealing with SSL pages.
This can be mitigated by research, and is not a huge issue as it's a
relatively low priority story.

We could have communications problems between the report viewer and the
web crawler.
This would be a huge issue. A backup plan might be to use python to
generate JSON directly from pickled object from the web-crawler, or
potentially generate one shot reports directly in the web-crawler, those
these options are both less flexible.

Dealing with javascript could make me so angry I stick forks in my eyes.
This might make typing difficult, and I should probably keep a bottle of
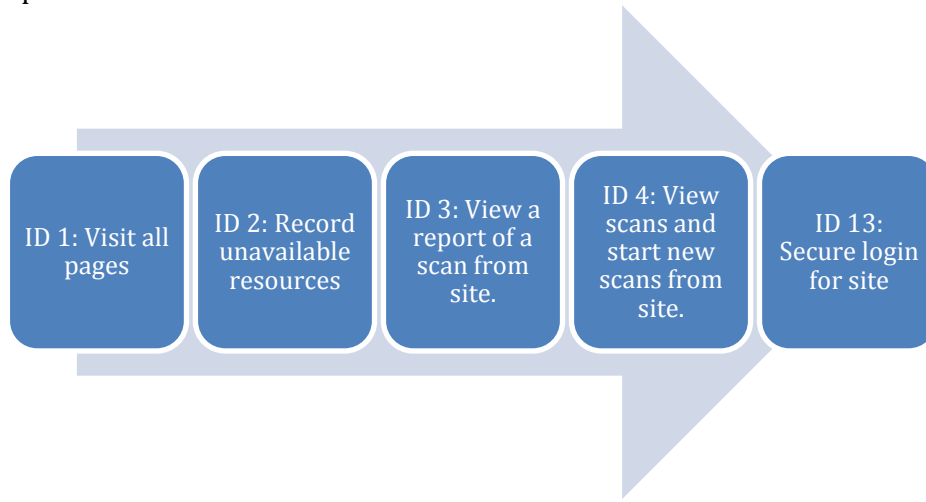medication uncorked and nearby to prevent such an occurrence.

System Architecture:
We will be writing the web-crawler in python utilizing libcurl and communicating with a postgres
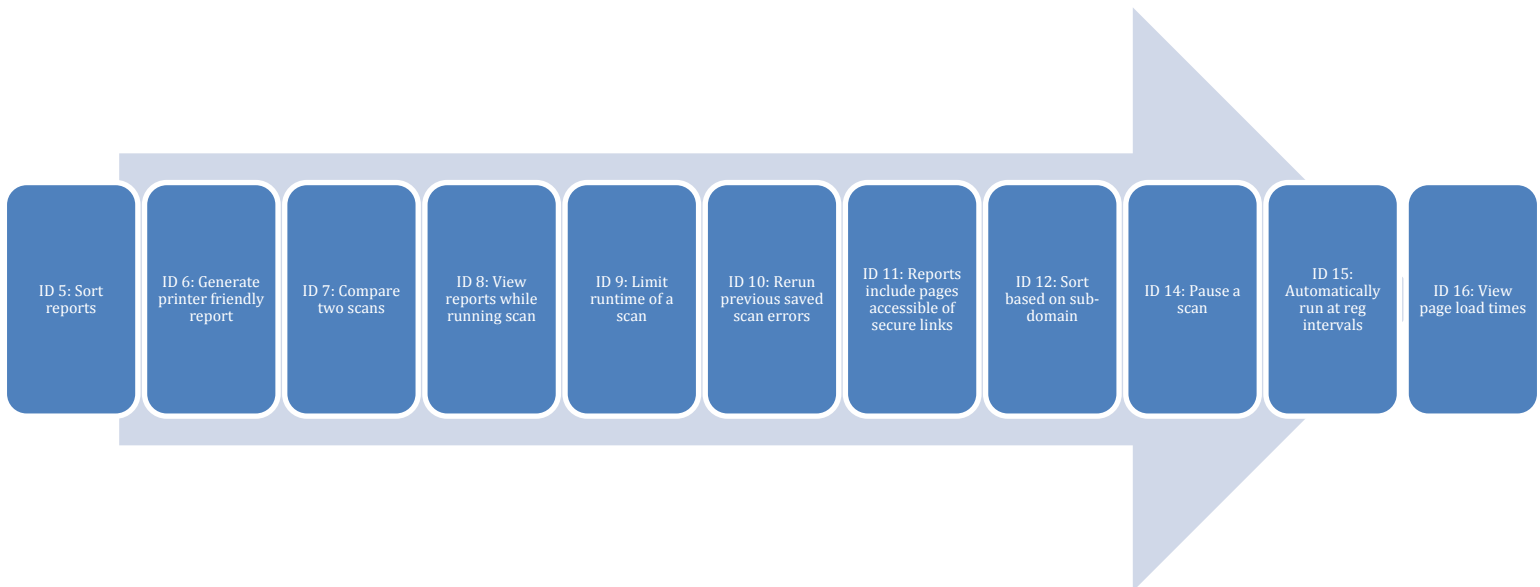datastore using PsychoPG2.

The front end will be in PHP, but to provide user interaction (Sorting lists
in sane ways, etc), we're going to have to use javascript, which means using jQuery.

Sprint Planning : Cycle Plans

Sprint 1:

ID 1: Visit all pages	ID 2: Record unavailable resources	ID 3: View a report of a scan from site.	ID 4: View scans and start new scans from site.	ID 13: Secure login for site

Sprint 2:

ID 5: Sort reports	ID 6: Generate printer friendly report	ID 7: Compare two scans	ID 8: View reports while running scan	ID 9: Limit runtime of a scan	ID 10: Rerun previous saved scan errors	ID 11: Reports include pages accessible of secure links	ID 12: Sort based on sub-domain	ID 14: Pause a scan	ID 15: Automatically run at reg intervals	ID 16: View page load times

E. Agenda for Next Meeting

Design architecture for Forager and review and update risk mitigation plan.

Adjournment:
This meeting was adjourned at 7:30pm by The Team. The next general meeting will be at 6:00pm on October 25, 2012 at SPSU.

Minutes submitted by: Robin Mays

Approved by: Matthew Powell