



Summary Week Report

Project	Travel n Study	Week	50
Responsible	Branimir Lochert	Date	17.12.2012.

Executive Summary

Timeliness

General Project Status	Fulfillment of Next Milestone
on track	slightly behind schedule

Results This Week

Activity Owner(s)	Activity	Work load	Fore cast	Result / Comment
All	Week meeting	2	2	Held the scheduled Skype week meeting
All	Week report	1	1	A week report was made by all the team members
BL	Summary week report	2	2	A summary week report was made
All	Supervisor meeting	4	2	A joint meeting with the supervisor was held
All	Alpha prototype bug fixing	4	4	Additional bugs were discovered and fixed
AS, BL	Requirements definition revision	2	2	Some further adjustments and revisions to the requirements document
KS	Beta prototype presentation initial draft	5	6	Initial draft for the beta prototype presentation was made
All	Beta prototype finalization	1	1	Work was done to finish implementing all the features of the beta prototype
BL	Suggestion system server side modules	8	8	Server side modules of the suggestion system were made and some additional features were implemented
AS	Suggestion system page	14	10	A page for the suggestion system was made
AS	Home page redesign	6	2	Some small changes in the design of the home page was made
BL, AS	Suggestion system client – server interface	2	2	A server client interface for the suggestion system was defined and implemented
KS	Suggestion system cost index algorithm	6	6	A cost index algorithm for the suggestion system was implemented
KS	Freebase data source interface finalization	6	6	The interface towards Freebase data source was refactored and completed
KS	Numbeo data source interface finalization	7	6	The interface towards Numbeo data source was implemented
MČ	DataBank Climate API integration	7	8	The interface towards DataBank Climate data source was implemented
MČ	Climate classification suggestion system algorithm	5	8	A climate classification algorithm for the suggestion system was implemented
DR	Google places, Google maps API integration	4	4	Google APIs were used to implement a Google map on the city and university pages
AS	Panoramio study and	2	2	Panoramio API was studied and integrated into the

	integration			city page
AS	University page redesign	18	8	Some redesign of the university page was made (introduction tab)
DR	University page advanced features	21	18	Some advanced features for the university page were implemented (Google places, details, costs, charts, graphs)
AS	City page redesign	9	8	Some redesign of the city page was made
DR	City page advanced features	8	16	Some advanced features for the city page were implemented (Google places, costs)
MC	Search engine server modules	14	14	Search engine server modules were made, tested and improved during this week
JH	Search page	8	8	A search page to use the search engine was made
JH	Direct search client – server interface	2	2	A client server interface to use the search engine was implemented
JH	User registration and login finalization	19	6	User registration and log in forms were made and backend code was implemented and tested
JH	Global exception handler	5	0	A global exception handler was made
JH	Google visualization API integration into suggestion page	6	6	A Google visualization map / chart was integrated into the suggestion page

Activities Planned for Next Period

Activity Owner(s)	Activity	Work load	Result / Comment
All	Week meeting	2	Hold the weekly Skype meeting
All	Week report	1	Make the week report
BL	Summary week report	2	Make the summary week report
All	Beta prototype bug fixing	4	Fix various bugs spawned in the beta prototype
AS, DR	City page (advanced) finalization	4	Finalize the advanced features of the city page
AS, DR	University page (advanced) finalization	4	Finalize the advanced features of the university page
AS	Suggestion page finalization	6	Finalize the advanced features of the suggestion page
BL	Finalize the beta prototype presentation	6	Finalize the beta prototype presentation and prepare for delivery
DR	Prepare the application demo	6	Prepare for the live application demonstration and backup plans
BL, DR	Deliver the beta prototype presentation	1	Deliver the beta prototype presentation to DSD staff
BL, KS, MČ	Reviewing system server modules	12	Implement server modules that will allow a user to leave his review (comment + rating)
BL, KS, MČ	User profile system server modules	8	Create server modules to allow a user to view and edit his profile and preferences
AS, DR, JH	Reviewing system client modules	16	Implement client modules that allow a user to leave his review (comment box, rating stars, review section)
AS, DR, JH	User profile system client modules	12	Implement client modules that allow a user to view and edit his profile and preferences (profile page)
BL, KS, MC	Implement some admin functionalities	8	Implement some simple admin functions (delete review, delete account, modify account), and an admin user group

Comments / Experiences / Problems

- The biggest problem we face at this time is the performance problem. To make a responsive application and a fast suggestion system are requirements which are in contradiction with the requirements about a data rich application and a useful suggestion system with advanced algorithms. Querying external data sources makes up the biggest part of this problem. Some APIs are faster than others but even in ideal external conditions a large set of requests will significantly damage the performance of the application. This problem is being softened by using asynchronous requests to make the application as responsive as possible, also by introducing more local data into our database.
- By trying to reduce the extent of damage querying external data sources does to the performance of the application we have extended our database schema and loaded more data locally. This has introduced a new problem with the database taking a long time to be created and populated with data. This in turn means no changing of the database schema once it's been created (at least not until the next recreate).

Metrics

Milestones

Id	Milestone Description	Responsible Dept./Initials	Finished week				Metr	Rem
			Plan	Forecast		Actual		
				Week	+/-			
M-013	Interfacing parsing data sources #2	JH	49	49	0	50	-1	Late
M-014	Recommendation system	BL	50	52	+2			
M-015	Interacting with Google maps	DR	50	50	0	50	0	
M-016	Postdocs recommendation	BL	50	50	0	never		Dropped
M-017	GUI Modules/Mockups #2	AS	51	51	0			

Working Hours

Member	W43	W44	W45	W46	W47	W48	W49	W50	Total
Branimir Lochert	26	26	22	27	29	26	31	24	
Alessandro Sisto	29	20	36	14	25	13	27	56	
Katarina Sekula	20	27	20	22	31	9	26	25	
Daniele Rogora	19	22	24	19	29	21	18	36	
Milan Čop	19	21	20	16	26	20	25	29	
Javier Hualpa	20	17	22	18	15	27	21	42	
Total	133	133	144	116	155	116	148	212	1157