

Taraxacum	Version: 1.0
Project Descriptions	Date: 2011-10-21

**Taraxacum
Project Description
Version 1.0**

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Revision History

Date	Version	Description	Author
2011-10-09	0.1	Initial Draft, Organization	Anne Jon Schoonhoven
2011-10-09	0.2	Introduction, Communication, Configuration Management	Magdalena Juric
2011-10-10	0.3	Project Risk	Li Jiang
2011-10-12	0.4	Assumptions and Constraints	Mateo Klarin Petrina
2011-10-13	0.5	Deliverables, Inputs	Adil Farid
2011-10-16	0.6	Organization, Configuration management	Magdalena Juric
2011-10-21	1.0	Finalized Document for first hand in	Anne Jon Schoonhoven

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1. Introduction

1.1 Purpose of this document

The purpose of this document is to describe the vision and properties of the Taraxatum project. This project is part of the Distributed Software Development course held in 2011. This course is joint course between Mälardalen University (MDH) in Sweden and University of Zagreb (FER) in Croatia. This document provides an introduction to Taraxatum project, global team members and their roles.

1.2 Intended Audience

This document informs the team members and project stakeholders about the team organization, roles and assumption of the project. In addition it will provide a list of the deliverables and milestones. This document should be read by everyone who is involved in the project's team.

1.3 Scope

This document is about organization, constraints and assumptions, technologies, project risk, deliverables, communication between project stakeholders, activity plan, and financial plan. This document doesn't include requirement analysis and design description

1.4 Definitions and acronyms

1.4.1 Definitions

Keyword	Definitions
Global team	Both the Swedish and Croatian teams
Project stakeholders	Includes customer, steering group and team members
Taraxatum	The project's title

1.4.2 Acronyms and abbreviations

Acronym or abbreviation	Definitions
MDH	Mälardalen University
FER	University of Zagreb
SVN	Subversion
UML	Unified Modeling Language
MVC	Model View Controller
URL	Uniform Resource Locator

1.5 References

Project proposal: <http://www.fer.unizg.hr/download/repository/seve-taraxacum.pdf>

Project Homepage: <http://www.fer.unizg.hr/rasip/dsd/projects/taraxacum>

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2. Organization

2.1 Project management

- Project leader: Anne Jon Schoonhoven
- Team leader Croatia (FER): Magdalena Juric
- Team leader Sweden (MDH): Anne Jon Schoonhoven

The local teams are daily management by the two team leaders. Anne Jon is responsible for the Swedish team, Magdalena is responsible for the Croatian team. The project leader is responsible for coordinating both teams.

2.2 Project group

Name	Initials	Responsibility and roles
Tomislav Bronic	TB	Responsibility <ul style="list-style-type: none"> • System Architect Roles Backend Developer, Tester
Adil Farid	AF	Responsibility <ul style="list-style-type: none"> • Documentation Manager • Testing Manager Roles Requirements Engineer, Tester, Documenter
Li Jiang	LJ	Responsibility <ul style="list-style-type: none"> • Requirements manager Roles Frontend Developer, Tester
Magdalena Juric	MJ	Responsibility <ul style="list-style-type: none"> • Team Leader Croatia • Database Manager Roles Backend Developer, Documenter, Tester
Mateo Klarin Petrina	MK	Responsibility <ul style="list-style-type: none"> • Server Manager • Lead Developer Roles Frontend Developer, Tester
Anne Jon Schoonhoven	AJ	Responsibility <ul style="list-style-type: none"> • Project Leader • Team Leader Sweden Roles Requirements Engineer Frontend Developer, Tester
Shahid Iqbal Tarar	ST	Responsibility <ul style="list-style-type: none"> • SVN Manager • Backup Manager Roles Requirements Engineer, Frontend Developer, Tester

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2.2.1 Responsibility Descriptions

Each responsibility is performed by one person. This helps in having a clear understanding about the different fields in the the project, and to who one needs to report about progress about a certain field. The responsible person is involved in coordinating the necessary tasks and keeping track of the progress in his own domain.

2.2.1.1 Project Manager

The project manager keeps control of the overall development process and guides the team to the required targets. His goal is to keep the team on schedule and hold communication channels active.

2.2.1.2 Team Manager

The team manager is responsible for the daily management of his assigned team. There is a team manager for each geographical located team. His goal is to stay informed about their teams status and progress, and discuss future progress with the other team manager.

2.2.1.3 Documentation Manager

This persons reviews all the written content, and makes sure that the documents are consistent and conform the required format. A second duty is that this member coordinates the documentation of the implementation and testing activities.

2.2.1.4 Requirements Manager

Analyzing, tracing, prioritizing requirements, controlling their change and communicating the requirements to relevant stakeholders. His goal is to broadcast the incentives and requirements of the project to the other members, so that they are aware of the context of the application.

2.2.1.5 Server Manager

The Server Manager keeps controls of the installed software on the team's server. He also keeps control of the deployment of any version of the application on the machine.

2.2.1.6 Lead developer

The lead developer guides the developers task, and keeps control of the code policy. His goal is to make sure that the level of the code quality is maintained, and that the developers can work on the code assets.

2.2.1.7 SVN Manager

This manager applies the SVN policy and makes sure that the SVN repository is kept clean and consistent.

Backup Manager

This Manager keeps track of the backup processes, and verifies that these backups are usable. He is also in charge of any recovery processes. His goal is to keep the team able to work on their documents and files.

2.2.1.8 System Architect

The System architect designs the general architecture of the system. His goal is that the architecture can full fill the demands of the requirements.

2.2.1.9 Database Manager

The Database manger designs the supporting database model, and keeps control of the consistency of the database and any changes made to the database.

2.2.1.10 Test Manager

The test manager coordinates the test cases, and is in charge of performing the tests, and reports the results of these test to the other team members.

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2.3 Steering group

Severine will act as our supervisor for this project. She will give feedback on our progress, and takes actions if necessary.

2.4 Customers

Severine will act as our customer for this project.

2.5 Others

The course board will provide project environmental restrictions and information.

3. Assumptions and constraints

3.1 Technological

Technology used in the project

- ASP.NET MVC
- IIS
- Microsoft SQL Server

Tools used in the project

- Google Docs
- Google Hangouts
- Subversion
- Redmine

3.2 Environmental

The product will be built using ASP.NET platform so hosting servers must support .NET platform.

Access to the product will have multiple users at the same time. During development, the project team will take care to limit access to the system. When the project is in testing phase a maximum number of simultaneous users will be determined.

SVN will be used for sharing code.

3.3 Interpersonal

Good and honest communication is essential to this project. Team will use Google Groups, Google Hangouts, Google Docs, Skype and email. Communication with customer we be conducted either personal meeting or through email.

3.4 Work distribution

Work is distributed according team location and team knowledge. Team location was considered due to location of a customer. All team members will take part in all project activities to different extents.

Since Croatian side of the team has more experience with technology that is being used, it will be more focused on development phase. And Swedish side of the team will be more focused on communication with customer and system requirements.

3.5 Internal and External relationships

3.5.1 Team

Since project team is located in two geographic separated locations, the project team members are constrained to communicate only using VoIP solution like Skype and Google Hangouts. Team members are encouraged to informal communication. Informal communication between team members will mitigate the consequences of misunderstand, which are bound to happen since team members come from various culture.

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3.5.2 With the customer

Customer is located in Sweden so the communication with the customer will be handled by the Swedish part of the team. This communication is coordinated by Anne Jon Schoonhoven. All communication between customer and Swedish part of project team will be conveyed to the Croatian side of the team.

3.5.3 With the supervisor

Anne Jon Schoonhoven weekly communicates and discusses the progress of the project with the supervisor.

3.6 Time

Time constraints to this project are imposed by timeline of course DSD in which this project takes part.

Deviation from timeline will result in project failure.

The course is 7.5 credits per person. Each credit is worth 28 hours.

The total available workload for this project is $7 \times (7.5 \times 28) = 1470$ hours.

4. Deliverables

To	Output	Planned week	Promised week	Late +/-	Delivered week	Rem
Project Stakeholders	Project Plan	42	42	0	42	
Project Stakeholders	Requirement Definition Document	42	42	0	42	
Project Stakeholder	Design Description document	43	43			
Project stakeholders	Acceptance test plan	50	50			
Project stakeholders	Test report	2	2			
Project stakeholders	Final Project Report	2	2			
Project stakeholders	Final version of all documents	2	2			
Project stakeholders	Technical Documents	2	2			
Project stakeholders	User manual	2	2			
Project Stakeholders	Final Product	2	2			

5. Inputs

From	Required item	Planned week	Promised week	Late +/-	Delivered week	Rem
Customer	Project proposal	39	39	0	39	
Course Board	SVN information	41	41	-1	40	

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6. Project risks

Possibility	Risk	Preventive action
High	Personal lack of time due to other courses or obligations	Weekly report to check status, arrange time in advance
High	Lack of technical expertise in the chosen implementation technologies	Cooperative learning within the team, and share good tutorials
Low	Member leaves	Have back up for each role. Have good documentation for work.
Medium	Wrong interpretation of given requirements and boundaries	Have detailed use cases. Discuss to other team members if not clear about requirements.
Medium	Different understanding between team members	First discuss, then decide. Record decision in documents, for later reference.
Low	Database Server Crash	Regular backup of database.
Low	SVN Server Crash	Regular backup at safe location

7. Communication

English language will be official language among group members and when communicating with stakeholders.

7.1 Communication tools

- Global meetings: **Google Hangouts**
- Discussions: **Google group**
- Sharing documents: **Google docs**
- Project Information: **Redmine**

Other tools for informal talks: Google Talk, Skype, E-mail

7.2 Communication flow

Team members will provide their progress to their team leaders. The team leaders keep each other updated about this information. Each team member tries to stay informed about all the progress made in the project.

8. Configuration management

SVN will be used as our Software Configuration Management tool. The URL of the SVN repository is

`svn://lapis.rasip.fer.hr/svn/dsd11/Taraxacum`

Team members have to use login data provided in email message containing SVN access information.

SVN data will be saved periodically on `http://devcorner.skoonhoven.net/svnbackup/` using an automated script.

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9. Project plan

9.1 Time schedule

Id	Milestone Description	Responsible Dept./Initials	Finished week				Metr	Rem
			Plan	Forecast Week	+/-	Actual		
M-01	Project Plan draft	AJ	41	42	+1	42		
M-02	Project Plan	AJ	42	42	0	41		
M-03	Requirements Plan Draft	LJ	41	42	+1	42		
M-04	Requirements Plan	LJ	42	42	0	41		
M-05	Design Description Draft	TB	42	42				
M-06	Design Description	TB	42	42				
M-07	Test plan Prototype 1	AF	45					
M-08	Prototype 1	MP	46					
M-09	Test plan Prototype 2	AF	49					
M-10	Acceptance Test plan Draft	AF	49					
M-11	Prototype 2	MP	50					
M-12	Acceptance Test Plan	AF	50					
M-13	Test Report	AJ	2					
M-14	Final Product	AJ	2					

9.2 Activity plan

Activity	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2
Project preparations	■	■	■	■											
Requirements analysis		■	■	■			■			■					
Designing			■	■			■			■					
Implementation					■	■	■	■	■	■	■	■	■	■	■
Testing					■	■	■	■	■	■	■	■	■	■	■
Documentation					■	■	■	■	■	■	■	■	■	■	■
Reflection				■			■			■					■

9.3 Financial Plan

Activity	Volume (hours)	Cost	Rem.
Requirements	160	0,-	
Design	160	0,-	
Implementation	400	0,-	
Testing	160	0,-	
Documentation	160	0,-	
Management	300	0,-	
Course Attendance	100	0,-	

Planned effort (person hours)	Man-day cost	Planned project cost (100%)
1460	0,-	0,-