

SWAP WEBSITE Proposal Document



TEAM: EAGLE

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Revision History

Date	Version	Description	Custodian/Organization
13/08/2013	1.0	Initial publication.	EAGLE TEAM
22/08/2013	1.1	Edit WBS, Schedule	Trần Công Bình



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1. Introduction

1.1 Purpose

- The purpose of this document is to explain the proposed solution, show benefit of the project and the way it work.
- Provide overview about solution, resources, budget, and schedule for the project.

1.2 Scope

The scope of document is providing:

- Business need
- Summary solution
- Process
- Project resource
- Schedule
- High level function and non-function
- Technology
- Stakeholder and user
- Cost
- Constrains
- Risk



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2. Description of Project

2.1 Business need

- The waste is happening every day in life. We often throw the unnecessary stuff, but don't know that may be needed with other people, and we can swap the items or sell for other people to get the necessary items with bargain cost.
- Resources are running out, swap items with other people will help avoid waste, save cost and protect the environment. And in Vietnam we don't know any website do these things, that's why we created the website to help them to do that.

2.2 Benefits

In addition to benefits such as:

- Swap items
- Saving cost
- Protect environment

Then, the website will have revenue through banner ads placed on the website, and from the intermediary services on the website when users want to exchange but cannot be exchanged directly.

2.3 High level features

- Posting information about swap item
- Searching information about swap item
- Invite friend
- Send swap request
- Etc...



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2.4 Additional features

- Connect to social networks Facebook, Google, yahoo (log in with the account)
- Online chat

2.5 Non-functional

Performance

- The system responds in less than 2 seconds for 95% of uses.
- The system responds in less than 20 seconds for 100% of uses.
- The system support 10,000 additional users added in the month.
- The system supports 500 new users signing up and initiating within the same hour.

Security

- The administrator will actively remove suspicious accounts; fail to comply with the way the website works.

Usability

- The system will have the instructions on how to log information, and online support to respond the needs of the user.

Availability

- 24 x 7 x 365

Open – APIs, system integration and interfaces. E.g. social media...



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2.6 Estimated Project Costs

Cost for first year

Cost Type	Estimated Unit Price (\$)
Domain & Hosting costs	
1. Domain (1 year)	15
2. Hosting (1 year)	50
Product cost (1)	
1. Implement	1700
Facilities costs (structural) (2)	
1. Photo documents	50
2. Meeting cost (drink, internet, electricity...)	300
COST TOTAL = (1)+(2)	2050



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3. Resource

3.1 Human resource

Project team

No.	Name	E-mail	Role
1	Trịnh Kim Sanh Nguyễn Thị Trùng Dương	sanhtk@yahoo.com khucnam@yahoo.com	Mentor, Investor
2	Trần Công Bình	congbinh24k@gmail.com	Project Leader
3	Trịnh Thị Phương	ttphuong1012@gmail.com	Quality Manager
4	Nguyễn Thanh Minh Hiếu	nguyenthanhminhhieu@gmail.com	Development Manager
5	Trịnh Tiến Đạt	tiendattrinh07@gmail.com	Support Manager

Technical skill

- Analysis and design of information systems
- Have good knowledge at database management system : MySQL, MS SQL ...
- Have good knowledge at : HTML&CSS, ASP.NET, PHP, C# ...
- Good skill at office software: Microsoft Word, Excel, Power Point, Photoshop...

Soft skill

- Communication skill
- Presentation skill
- Time management skill
- Teamwork skill
- Knowledgeable and friendly

Experience

- Having three-year experience in project
- Achieving good result in studying and doing project



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3.2 Technology

- Languages: HTML&CSS, PHP, Java Script...
- Development tools: Zend Studio, Xampp...
- Development environments: Windows 7, Windows 8, Ubuntu 12.04 LTS, Web...

3.3 System environments

Server

- Hosting: Linux OS
- Capacity: 2 Gb
- Bandwidth: 50 Gb

Client

- System operation: Windows 7, Windows 8, Ubuntu, iOS, Android ...
- Browser: Firefox, chrome, Opera, IE ...



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4. Process

Base on advantage and disadvantage of human resource, we decided to use Team Software Process (TSP) to run project.

4.1 Process overview

Team Software Process (TSP) guides engineering teams that are developing software-intensive products. Using TSP helps organizations establish a mature and disciplined engineering practice that produces secure, reliable software in less time and at lower costs.

TSP has been applied in small and large organizations in a variety of domains with similar results on first use, including

- Productivity improvements of 25% or more
- Reductions in cost and schedule variance to less than +/- 10%
- Testing costs and schedule reductions of up to 80%

2.1.1. Advantage

- Iterative
- Highly discipline which will help members make the best quality products
- Members work dependence, support and communicate with each other
- TSP use improves the quality and productivity of engineering teams while helping them to more precisely meet cost and schedule commitments.
- TSP is one of a series of methods can help engineering teams to more effectively develop and support software-intensive systems. CMM provides the overall improvement framework needed for effective engineering work .The Personal Software Process (PSP) provides the engineering disciplines that engineers need for consistently using a defined, planned, and measured process. The TSP couples the principles of integrated product teams with the PSP and CMM methods to produce effective teams



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4.2 Work Breakdown Structure

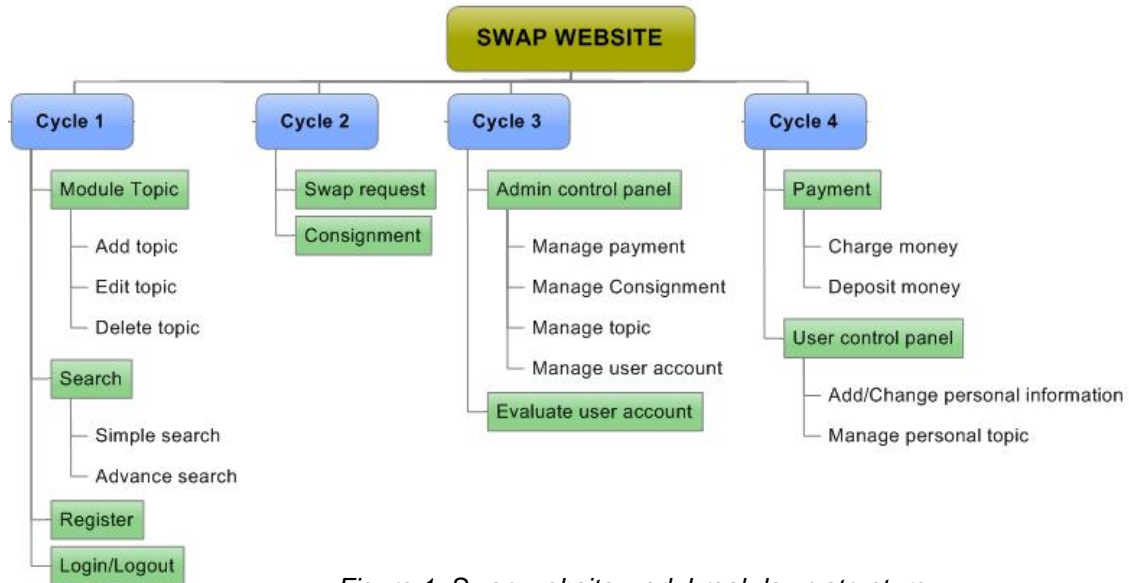


Figure 1: Swap website work breakdown structure

4.3 Plan

Swap website	Duration (Day)	Start date	Finish date
Project	62	16/09/2013	16/11/2013
Cycle 1	10	16/09/2013	25/09/2013
Develop module topic	5	16/09/2013	20/09/2013
Develop search function	2	21/09/2013	22/09/2013
Develop register function	2	23/09/2013	24/09/2013
Develop login/logout	1	25/09/2013	25/09/2013
Cycle 2	22	26/09/2013	17/10/2013
Develop send swap request function	7	26/09/2013	02/10/2013
Develop consignment module	15	03/10/2013	17/10/2013
Cycle 3	15	18/10/2013	01/11/2013
Develop admin control panel	12	18/10/2013	29/10/2013
Develop Evaluate user account	3	30/10/2013	01/11/2013
Cycle 4	15	02/11/2013	16/11/2013
Payment	5	02/11/2013	06/11/2013
Develop User control panel	10	07/11/2013	16/11/2013

Figure 2: High level plan



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Appendix A: Glossary

WBS

Work breakdown structure

TSP

Team software process

PSP

Personal Software Process

CMM

Capability Maturity Model



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Appendix B: Reference Documents

Title	Nomenclature
Information System Life Cycle Manual	Treasury Directive Publication (TD P 84-01), Version 3.2, March 2002
United States Mint SDLC	Version 1.1 May 2002
OCIO United States Mint CM Standards and Procedures	Version 2.0, June 2002
United States Mint Project Documentation Guide	Version 3, June 2002
Software Engineering Institute (SEI), Carnegie Mellon University, Key Practices of the Capability Maturity Model	



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Appendix C: Approval

Prepared by	Signature	Date
Tran Cong Binh K16CMU-TTT		
Approved by	Signature	Date
Tran Kim Sanh Mentor Duy Tan University		
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