

PROJECT MANAGEMENT PLAN

FOR THE

[[FASHION WEBSITE]]

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GROUP 12



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Table of content

1	Size, Effort & Cost Estimations
2	Work Activities
3	Resource Allocation

1-

Size estimation:

Contact customer support:

We want to create a fashion website, so we want to help the user to contact the customer serves anytime. So, the user will **open the website**. To do that the user should enter his email: **the password** and **the user name** then **press log in**. the main page of the website will appear. The user from browse can **choose “customer support”**. As he presses on customer support an automatic file called “**user entries**” will be opened to contain everything that the user will enter. When he presses on customer support, the system will connect to a file called “**problems file**” to extract problems, questions and answers from it. (The problems file contains all the problems that may be occur with the user, the questions and their answers). Then a helping page will appear displaying titles of problems. When the user **choose his problem**, the system will generate questions related to the user’s problem from problems file. The client should **choose the question** that he wants to ask. After choosing the question, all the product that he bought will appear to allow him to **mark the product** that he have problem with. Then there **will be a message appear trying to give** him an answer to his

question. If this message does not replay his question he can **press leave a message**. Then he can **enter his message** and **press send**. After entering his message, another message will appear telling the user one of our customer support will replay to your mail within 72 hours and displays what is his problem about?

External input 11:

11 data types, 1 record type (low complexity)

11 data types are: the ones written in read

1 record type is: user entries that will record everything the “user enters”.

External output 2:

2 data type from 1 record type (low complexity)

2 data type: a message answers the user question and another message telling the user that one of the customer support will reply within 72 hours.

1 record type: problem file that contains answers of the questions.

External query 1:

3 data type, 1 record (low complexity)

3 data types are: the problem, the question and the answer.

1 record: the “problems file” that contains all the Problem, all the questions and all the answers.

Logical internal file 1:

3 data type, 1 record type (low complexity)

3 data type: the main problem, the question and the message that the user has entered.

1 record type: “user entries” file that will record what the user enters.

External interface file: 0

Component category	Complexity of component		
	Low	Average	High
External Input	3	4	6
External Output	4	5	7
External Queries	3	4	6
Internal Logical Files	7	10	15
User Interface	5	7	10

So we get $3*11=33$, $2*4=8$, $3*1=3$, and $7*1=7$

Size= $33+8+3+7=51$ FP

I assume the language will be java

So, $60*51=3060$ LOC

Make an order

To help the user to order things easily, he should **open the website**. Then **he press login** (after **entering his username and password**). Then the main page will appear showing all the product and its price. The user can press **on whatever product** he wants, the system should extract information about this especial product from a file called **“products detailed file”**. This file showing the price of each product, the available colors, size and the shipment. If the user want to buy any product, he can **press buy** then the system will allow him to choose the product information (**enter the color and the size** that he want). At this time there will be a file called **“order file”** record everything about the product that the user want. After entering the color and the size of the product, the system wants you to enter your personal information (**the country, city, house number, zip code, the credit number and mobile number**). **Then he presses next**. A file called **“personal information file”** will record the personal information of the user. Then the system will **display a message contains the size, the color, the shipment and all your personal information**). Then the user should **press confirm**. Finally, a message will appear telling the user **“thanks for shopping with us”**.

External input 16:

16 data types, 2 record type (high complexity)

16 data types: all the red statements.

2 record type: “order file” that will record things about the order like size and color. And “personal information file” will record the personal information of the user.

External output 2: 2 data type, 2 record (low complexity)

2 data type: a message about your order telling you all the information about your order. And a thanking message.

2 record: “order file” and “personal information file” will record the personal information of the user.

External query 1:

4 data type, 1 record (low complexity)

4 data type: size, colors, shipment and price.

1 record: “products detailed file” that contains all information about all product and when the user choose one product, the system displays information about this particular product.

Logical internal file 2:

10 data type, 2 record type (low complexity)

10 data type: size, colors, shipment, price, country, city, house number, zip code, credit

number and mobile number

2 record type: “order file” and “personal information file” will record the personal information of the user.

External interface file: 0

Component category	Complexity of component		
	Low	Average	High
External Input	3	4	6
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External Queries	3	4	6
Internal Logical Files	7	10	15
User Interface	5	7	10

So we get

$16*6=96$, $2*4=8$, $3*1=3$, $7*2=14$

Size= $96+8+3+14= 121$ FP

I assume the language will be java

So, $60*121=7260$ LOC

Effort estimation:

Exponent drive rating for function one (contact customer support):

Our website is a fashion website that help the user to express his problem. Precedentedness (PREC) is consider low as this function is somehow similar to a function in another website. The flexibility is rating high as the way to do a function is a standard way the user can get it by experience. He may find it a bit difficult at the beginning. The risk reduction is low because almost requirement are obvious. The team cohesion is very low since all the developers are seating together most of the time. Process maturity is very high as the project is highly organized and structured.

So

Summation of Exponent drive rating =

$$4.96+2.03+5.56+5.48+1.56=19.59$$

So, $sf = B + 0.01 * \text{Summation of Exponent drive rating}$

$$Sf = 0.91 + 0.01 * 19.59 = 1.1059$$

Exponent multiply:

Contact customer support:

In our fashion website we need to build a system that enable the user to contact the customer support easily and detail his problem as he can. This system should be a very high degree of reliability to build the trust of the user. The system should be a high degree of reusability to be able to reprocess the system again in another usage. The difficulty of the system should be low to help the user to have no problem with doing all what he want on the website. In this website the Personal capability will be very low. Personal experience should high, the more the user use the website to contact the customer support, the easier to use. Facilities available and schedule pressure are both nominal.

So, product = $1.91 * 1.07 * 0.87 * 1.62 * 0.87 * 1 * 1 = 2.506$

**Effort= A (size) ^ sf *Product of exponent multipliers
= $2.94 * (((51 * 60) ^ (1.1059)) * 2.506) = 51603.2188$ PM**

Exponent drive rating for function two (making order):

Our website is a fashion website that help the user to make an order easily. Precedentedness (PREC) is consider

very low as this function is similar to a function in another website. The flexibility is rating high as there is only way to make the order. The risk reduction is low because almost requirement are obvious. The team cohesion is very low since all the developers are seating together most of the time. Process maturity is very high as the project is highly prepared and planed.

So

Summation of Exponent drive rating =
 $6.20+2.03+5.56+5.48+1.56=20.83$

So, $sf = B + 0.01 * \text{Summation of Exponent drive rating}$
 $Sf = 0.91 + 0.01 * 20.83 = 1.1183$

Make an order:

In our fashion website that has “average” novelty. We need to build a system that enable the user to make the order easily. This system should be a very high degree of reliability to protect the personal information of the user. The system should be a high degree of reusability to be able to reprocess the system again in another website. The difficulty of the system should be low to help the user to have no problem with buying all what he want from the website. In this website the Personal capability will be very low because the disabled users will have a great difficulty to use this system as they cannot even see the

product. Personal experience should very high, the more the user buy things, the more he saves time and efforts. Facilities available will be high as the user have many facilities to serve the website. Schedule pressure is nominal.

So, product =

$$1.91 * 1.07 * 0.87 * 1.62 * 0.74 * 0.87 * 1 = 1.85439$$

Effort= A (size) ^ sf *Product of exponent multipliers

$$= 2.94 * (((7260) ^ (1.1183)) * 1.85439) = 113301.0227 \text{ PM}$$

Cost of the first function:

Cost: we need about 4000 pound to install java and give analysts their salaries.

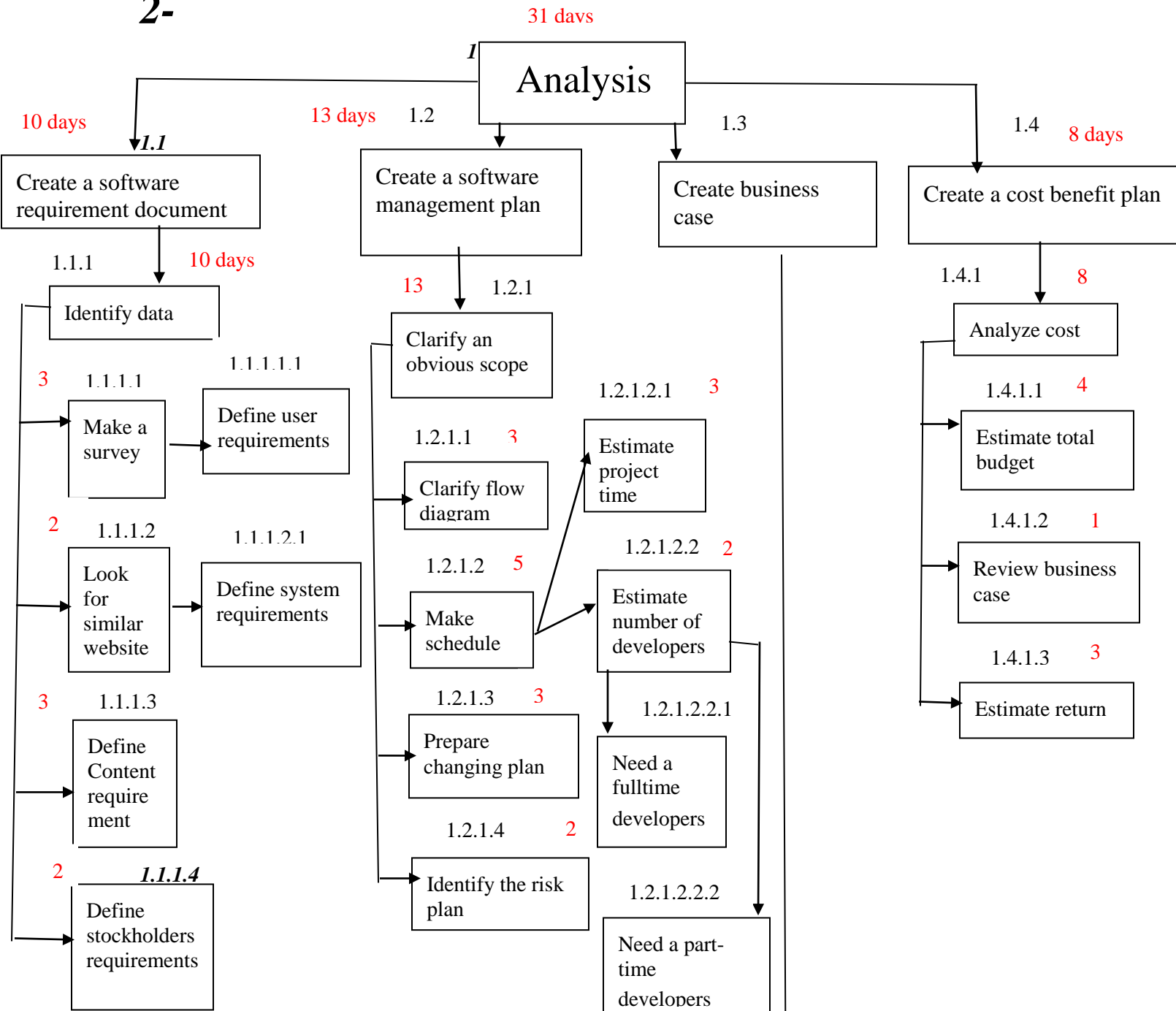
Days: 3 days

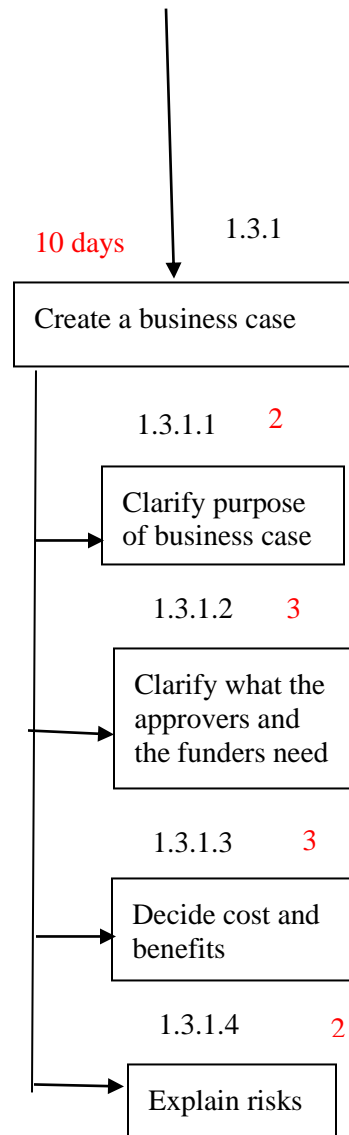
Cost of the first function:

Cost: we need about 5000 pound to install java and give developers their salaries.

Days: 3 days

2-





I used top down methodology

3- Resource Allocation

Resources needed for the first function:

Human Resources: 2 analysts work part-time. They should have experience of doing “contact customer support” function in many websites. They also should have the ability to learn new skills easily.

Material Resources: we need 2 computers with java installed in them and they should be experts on java.

Cost: we need about 4000 pound to install java and give developers their salaries.

Days: 3 days

Resources needed for the second function:

Human Resources: 2 analysts work fulltime and they should be experts on java. They should have experience of doing “make order” function in many websites. They also should have the ability to learn new skills easily.

Material Resources: we need 2 computers with java installed in them.

Cost: we need about 5000 pound to install java and give developers their salaries.

Days: 3 days

