

# **ICTPMG613 – Manage ICT Project Planning**

## **Task 2 - ICT Project Plan 2 Product Lifecycle Management System**

**Submitted For:  
Johan Sebastian Suarez Largo  
DAN 3081**

**Submitted On: 28/10/2021**

## **Table of Content**

<b>Introduction:</b>	<b>3</b>
<b>Project Management Approach:</b>	<b>3</b>
<b>Project Scope:</b>	<b>4</b>
<b>Milestone List:</b>	<b>5</b>
<b>Schedule Baseline and Work Breakdown Structure:</b>	<b>5</b>
<b>Project Management Plans:</b>	<b>7</b>
<b>Change Management Plan:</b>	<b>8</b>
<b>Communication Management Plan:</b>	<b>8</b>
<b>Cost Management Plan:</b>	<b>8</b>
<b>Procurement Management Plan:</b>	<b>8</b>
<b>Quality Management Plan:</b>	<b>8</b>
<b>Risk Management Plan:</b>	<b>8</b>
<b>HR/Staffing Management Plan:</b>	<b>9</b>
<b>Resource Calendar:</b>	<b>10</b>
<b>Cost Baseline:</b>	<b>10</b>
<b>Quality Baseline:</b>	<b>10</b>
<b>Sponsor Acceptance:</b>	<b>10</b>

- **Introduction:**

The BOM (Bureau of Meteorology) wants to improve the web page. They hire us as external consultants to create a modern UI/UX. They want to create a design like google weather design. Which is user friendly and easy to access. They have chosen Angular as Framework to create the web page. They have a few APIs which they use to deliver the data, they will give access to the APIs.

- **Project Management Approach:**

**Briefing:**

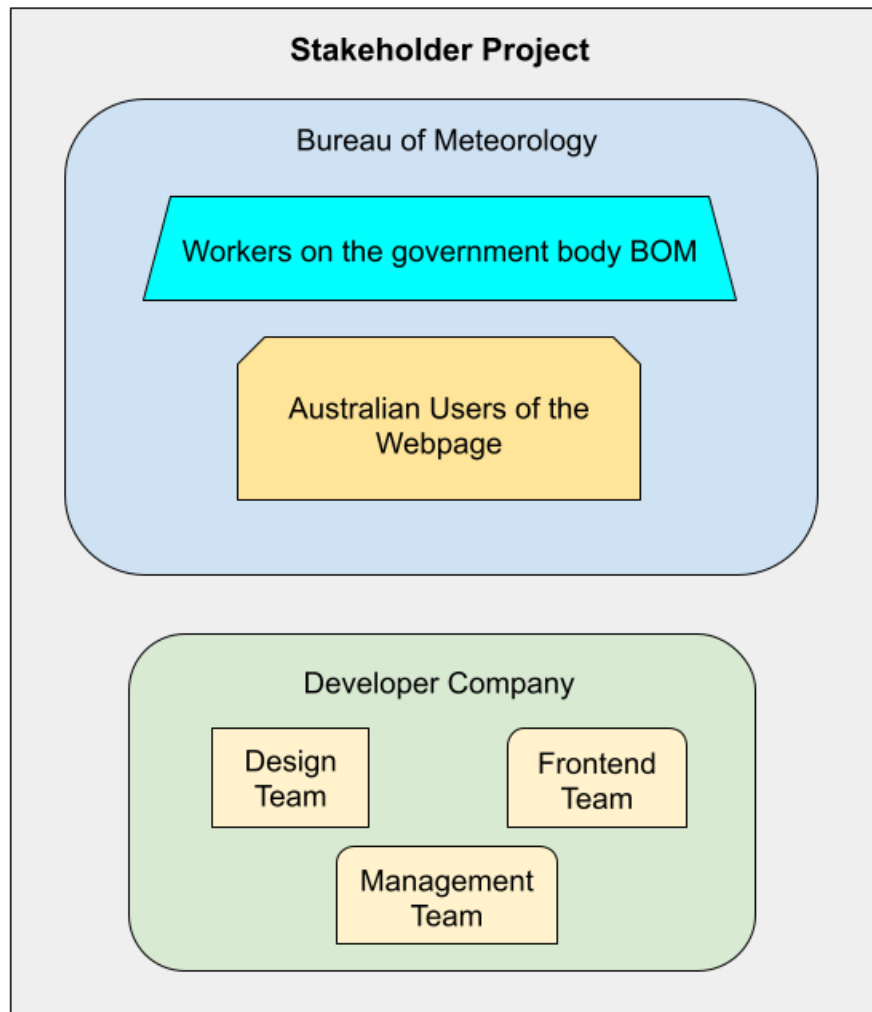
BOM has the same web page for the last 5 years, they have been evaluating the possibility of updating. They want a modern website and responsive experience to make it more appealing for young generations.

**Goald:**

Base on the briefing that BOM gives to us we decide that the goald:

“New BOM Web Page with responsive experience”

To create a proper update of the UI/UX web page of BOM we create a stakeholder map which allows us to have all in account to make better decisions. This map is shown in image 1.



**Image 1:** Stakeholder maps.

This project specifies the goals, deliverables, times and resources necessary to achieve the BOM goals with the web page.

- **Project Scope:**

**Deliverables:**

1. Plan for the development of the web page.
2. Documentation of the web page code.
3. Design explanation.
4. A web page response on Angular
5. An End to End (E2E) testing of the web page.

**Out of Scope:**

- Hostin of the web page
- Support for old platforms like Internet explorer.

**Stack:**

For this project BOM wants that we use Angular as a Frontend Framework and Cypress as End to End Testing Suit

**Timeline:**

With the goals defined we could estimate that the project will be complete on 12 working weeks

**Cost:**

The Cost of the project will be \$ 236800 (AUD).

- **Milestone List:**

Based on the deliverable we create the next milestone list. This is shown in table 1.

<b>Id</b>	<b>Task</b>	<b>Mandated</b>
1	Planning	Frontend Team, DesignTeam, Management Team
2	Design	Frontend Team, DesignTeam
2.1	Web Interface	DesignTeam
2.2	Web Experience	Frontend Team, DesignTeam,
3	Develop	Frontend Team
3.1	Web Interface	Frontend Team
3.2	Web Experience	Frontend Team
4	Testing.	Frontend Team, DesignTeam
4.1	E2E testing of Web Interface	Frontend Team, DesignTeam
4.2	E2E testing of Web Experience	Frontend Team, DesignTeam
5	Documentation.	Frontend Team, DesignTeam, Management Team

**Table 1:** Milestone list.

**Timeline:**

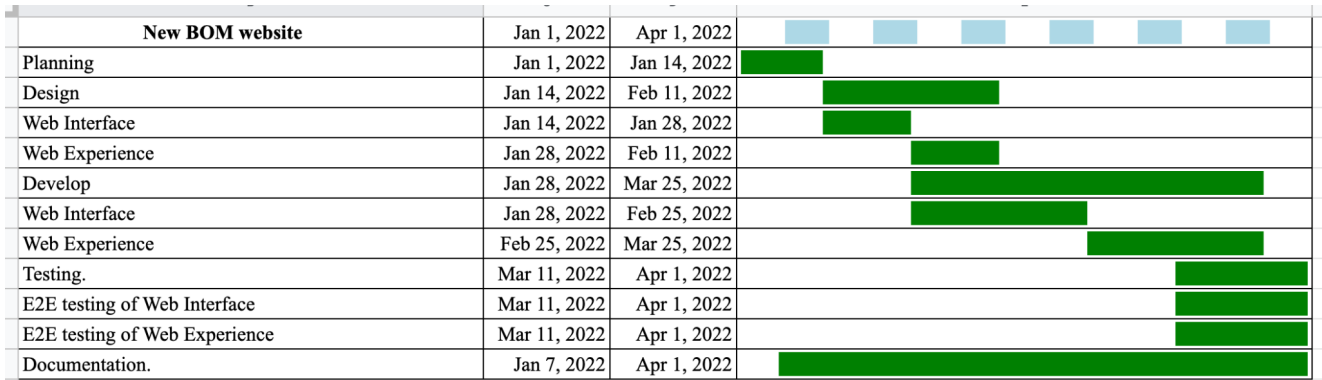
With the goals and milestones defined we could estimate that the project will be complete on 12 working weeks

- **Schedule Baseline and Work Breakdown Structure:**

**Timeline in Gran Chart:**

With the milestones defined previously we could create the next schedule of implementation of the project. Having in my that all the team will have part of

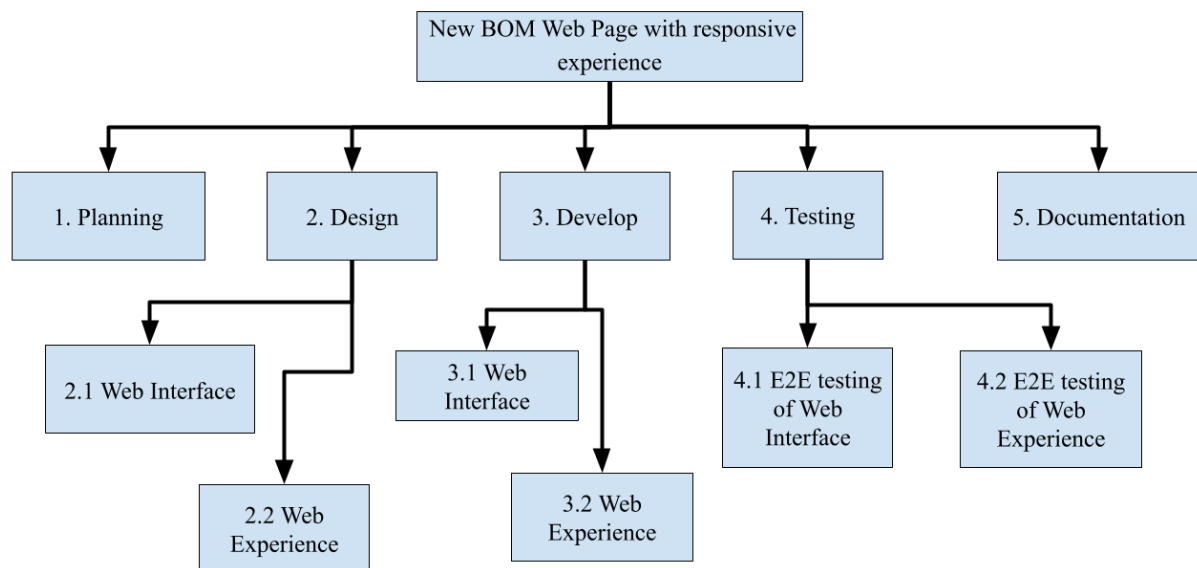
colavarion in the final product. Based on that we create the Gran Chart that is shown in image 2.



**Image 2: Gran Chart.**

### Breakdown Structure:

With the timeline we create the breakdown structure and breakdown structure library



**Image 3: Breakdown Structure.**

Task N°	Task	Weeks	Description	Deliverable
1	Planning	2	The teams will create the project plan with each of the specific tasks for each person.	Planning
2	Design	4	The Design team will create an UI/UX that satisfies the client's expectation.	Design of the full web page

2.1	Web Interface	2	The Design team will create a Web Interface that satisfies the client's expectation.	Design of Web Interface
2.2	Web Experience	2	The Design team will create a Web Experience that satisfies the client's expectation.	Design of Web Experience
3	Develop	8	The implementation of the design, this task will be achieved by the Frontend and Design team.	Develop of the full web page
3.1	Web Interface	4	The Frontend Team will create the Web Interface that the Design team designs.	Develop of Web Interface
3.2	Web Experience	4	The Frontend Team will create the Web Experience that the Design team designs.	Develop of Web Experience
3.3	Testing.	3	The Frontend Team will create and E2E testing for the web page	E2E test for the web page
4	E2E testing of Web Interface	3	The Frontend Team will create test for the Web Interface to make sure the app work properly	E2E test for the web page
4.1	E2E testing of Web Experience	3	The Frontend Team will create test for the Web Interface to make sure the app work properly	E2E test for the web page
5	Documentation.	10	All the professional in the project will contributor to construct a full documentation of the project	Documentation

**Table 2:** Breakdown Structure Library.

- **Project Management Plans:**

The management team will be incharge to make sure the team achieves the goals on time.

The management team creates the policies change, communicate, cost, schedule and quality. Also, operation activity, human resource, budget, budget calendar , and the quality of the product.

- **Change Management Plan:**

To a stakeholder change the project plan she/he has to follow the next procedure:

- Send a formal email/letter about what it will want to be changed to the Business analyst .
- The Business analyst will consult with each stakeholder and make sure if the change could be implemented.
- Then, the Business Analyst will communicate if the change will be applied or not.

- **Communication Management Plan:**

The communication will be by three main channels. The first is a newsletter email about the stage of the project. This newsletter will be for all the stakeholder and is redacted by the Business Analyst. The second is email/Slack, email for the BOM and Slack for the internal team. The third is the documentation which is public in a private site run by the developer company.

- **Cost Management Plan:**

The total cost of the project \$ 236800 (AUD) will be paid by the BOM on three payments.

1. \$ 94720 when the project is signed off .
2. \$ 94720 when the project is halfway to stemed time .
3. \$ 47360 when the project is delivered .

- **Procurement Management Plan:**

The management pyramid is composed for all stakeholder:

1. Client (MOB) - higher power.
2. Management - medium power.
3. Developer/ Designers - low power

- **Quality Management Plan:**

To make sure the project will finish as the MOB wants. The Business Analyst will show the progress and recollect all the inputs and thoughts that they have. Then, She/He will communicate to the Developer and Designer team.

- **Risk Management Plan:**

Based on our experience as external contractors, we have experienced a few of these risks. To mitigate risk 1 we will follow the development very carefully and based on our experience the likelihood is very small. To mitigate risk 2 we will work three days



from home. To mitigate risk 3 we hire the best Antivirus. To mitigate risk 4 we will create accessible tests.

Risk No	Category	Risk Description	Likelihood	Impact
1	Financial	Spend more time than planned.	10 %	High
2	Resourcing	Quarantine for COVID Case	40 %	Low
3	Technical	Get hit by a Cyber attack	4 %	High
4	Legal	Not comply with accessibility in the web page	10 %	Medium

**Table 3:** Risk Table.

- **HR/Staffing Management Plan:**

In table 4 is the Frontend team composition.

Frontend Team	
Name	Position
Mason Custance	React Dev
Madeline Oldham	React Dev
Georgia Lade	Angular Dev
Tahlia Beaney	Angular Dev

**Table 4:** Frontend team.

In table 5 is the Management team composition.

Management Team	
Name	Position
Johan Suarez largo	PM
Hannah Gray	Business Analyst

**Table 5:** Management team.

In table 6 is the Design team composition.

Design Team	
Name	Position

Syble C. Lane	Graphic Designer
Kenneth N. Watts	UI Designer
Dominic Fellows	Designer/Animator
Timothy Gipps	Ux Designer

**Table 6:** Design team.

- **Resource Calendar:**

The resource of the coworking space for the meetings face to face has to be booked within 15 days before being used. The other resource didn't have to be booked or whatsoever.

- **Cost Baseline:**

To explain the budget of the project we created table 7. As the tables show, the biggest expenditure is in the human resource.

Category	Item	Weeks	Cost per item or per hours	Total cost
Human resource	Frontend Team	12 weeks	5000 (AUD / w)	60000
Human resource	Design Team	12 weeks	5000 (AUD / w)	60000
Human resource	Management Team	12 weeks	6500 (AUD / w)	78000
Office equipment	PCs	12 units	1000 (AUD / uni)	12000
Office equipment	Rent coworking space	12 weeks	2000 (AUD / W)	24000
Software	3 party software	12 weeks	200 (AUD / W)	2400
Office equipment	Printer	1 unit	200 (AUD / uni)	200

**Table 6:** Budget.

- **Quality Baseline:**

The quality will be measured on a survey applied to all the stakeholders and the most common users of the web page.

- **Sponsor Acceptance:**

**Sign off:**

This planning for the “New BOM Web Page with responsive experience ” was created by the management team in IT Consultant. This project will take three months. This project

will cost \$ 236800 (AUD). We as Bureau of Meteorology accept this project plan to improve the webpage.

Project Management : Johan suarez largo

Signature: \_\_\_\_\_

Director of BOM: Dr Andrew Johnson

Signature: \_\_\_\_\_