ENG1003

**Weather App**

Project Management Plan

horizontal line

# Team 119

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# Introduction and Purpose

Many people use weather condition and forecast applications everyday at their current location or to check the weather at place of interest. In order to learn about how these applications work our team was assigned a project to create a weather tracking app. The aim of the project is to create an application designed to inform the user of the weather conditions at a particular location. The application can view the weather at the user’s current location, as well as any location that the user has searched.

# Summary of Project

## Assumptions

It is assumed that this web app will be run off a device with a touch screen and GPS.

As a user, it is assumed that google chrome will not block the app from accessing the current location of the user. If the app cannot access the current location details, the weather summary will not be calculated or shown in the first list element of the main page.

It is also assumed that you will have standard knowledge of how to activate buttons in the web app, such as tapping the ‘Add Location’ button, tapping the ‘Remove Button’ button, and sliding the date slider to change the date.

## Client/Users

The users of the app would most likely be normal everyday individuals who would like to be updated of the conditions at a particular location. Other people who would need the application in certain situations may include emergency services in case of a disaster, pilots, sailors and other users who are reliant on the weather conditions.

Potential stakeholders of the app may include news outlets, emergency services and weather companies interested in using the app as a way to communicate with users. In particular, interest has been seen from Nine News, State Emergency Services (SES) and the Bureau of Meteorology (BOM) who are all interested in the app for their own purposes.

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## Deliverables

What will be produced at the end of the project is a functional application that allows the user to view the current and past weather conditions at a location that can be seen on a map. The app allows the user to view the weather from the past 30 days. The user can also save locations on the app and view the weather at those locations as well.

# Scope

## Approach/Methodology

The application will have a team constantly updating the upp with new and improved features. The team will involve 4 members. Two team members will be assigned to designing the code. One team member will be assigned to designing the interface. Regression tests will be run every day by one individual, constantly documenting any bugs or complications that occur. The team will also document any feedback or complaints made by users.

## Timelines

The following table is the timeline used during the project. This timeline is to detail any milestones that have to be completed and by which team member(s).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TASK** | **CONTENT** | **HOW?** | **TIMING/**  **LOCATION** | **RESPONSIBLE MEMBER(S)** |
| Scheduling for meet up | Team members decide when next meeting should be and plan individual work. | All team members discuss the time and fill out the group management form. Decide the meet-up time and location. | From 12 pm any day  IT Faculty Building | All |
| Overview | Create the draft of the code | All group members prepare individually at home. And the basic structure of the code will be discussed in the meeting. | 11/5-13/5  At home | All |
| Document-ation | Create the project management plan | Do it at home and if they are having trouble they can ask for help in the Facebook group. | 15/5-25/5  At home | Raymond Fu/  Abe Lawson |
| Write the code in Launch page | Write the code | Write the code and submit in Github .If they are having trouble they can ask for help in the Facebook group. | 11/5-20/5  At home | Abe Lawson/  Taylah Lucas |
| Group Review | Review individual work performed so far | As a group review all individual work performed so far. Make changes and update the code. | 11 am-  12:30 pm  IT Faculty Building | All |
| Write the code in Add Location page | Write the code according to the requirement and add additional detail eg. comment of the code | Write the code at home . If they are having trouble they can ask for help in the Facebook group. | 11/5-20/5  At home | Luke Waldren/  Raymond Fu |
| Write the code in Location Weather page | Write the code according to the requirements and add additional detail eg. comment of the code | All group members prepare individually at home. Upload the code in Github | 11/5-20/5  At home | All |
| Test the app | Test the app using our phone and fix the bug | All group members test the app individually at home. If they are having trouble they can ask for help in the Facebook group. | 20/5-26/5  At home | All |
| Group Review and Final Updates | Review individual work performed so far.  Make changes based on group review. | As a group review all individual work performed so far. Make changes and update accordingly. | 20/5-26/5  At home | All |
| Submission | Submit final version. | After all team members agree the final submission is then uploaded to Moodle. | 11 am - 11:30 am  27/5-29/5 IT Faculty Building | All |

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# Personnel/HR management

*Explain how the team members are being managed; i.e. who is working on what, and what tools are used to facilitate this. Reference items from the timeline section*

Each member of the team has specific tasks that they were assigned for the assignment. Asana and the timeline helped organise the activities that individuals had to do. There are also activities that all team members are encouraged to do as well and whilst some tasks may be for one member others may be able to help. As seen from the timeline most of the actual coding tasks are set for all team members

The following is a list of team members, their responsibilities and contact details.

|  |  |  |
| --- | --- | --- |
| Name | Role | Email |
| Luke Waldren | Coder | [Lawal8@student.monash.edu](mailto:Lawal8@student.monash.edu) |
| Taylah Lucas | Coder | tjluc2@student.monash.edu |
| Abe Lawson | Project Management Plan Writer | axlaw1@student.monash.edu |
| Rirong Fu | coder | rfu12@student.monash.edu |

# Communications management

*Describe how the communications is handled within your team.*

Communication within our team consists of both team meetings and online communication. The online communication mainly via Asana and Facebook allows team members to be constantly updated about the tasks they need to complete. It also helps organise team meetings and team members can easily help another or clarify information to others. Regular team meetings occur every week and are organised via Asana or Facebook. The timing of these depends on who is available but can be any day of the week from 12 am to 3 am for most days. The team then fills out information about the meeting: who was there, what work was achieved, how long it went for and new goals to be completed by a certain date. All uploads of code were handled via gitHub allowing us to comment and manage our code amongst our team easily.

**Meeting Agenda**

**Eng1003- Meeting 1 – 13:00pm, 10 May 2016,**

**Location: G47, 23 College Walk, Monash University, Clayton**

**1.** **Attendance and Apologies**

Members :Abe Lawson, Luke Waldren, Raymond Fu, Taylah Lucas

**2. Agenda:**

Item 2.1 Discuss and plan assignment

Item 2.2 Review work performed previously during the week

Item 2.3 Allocate tasks

**2.1 Discuss and plan assignment**

The meeting members confirm the due day and the requirements of the second assignment. And create the assignment plan and the project management which are discussed by group members**.**

**2.2 Review work performed previously during the week**

Previously during the week group members had completed some individual tasks. This was performed according to the tutorial material and the lecture notes. This work was compared and reviewed with each other.

**2.3 Allocate tasks**

Tasks for the next week was planned and allocated to individual group members.

Group members will perform their own task according to the plan at home and using GitHub to communicate and share our code .

**Action Sheet from today’s Meeting :**

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Action | Expected Completion Date | Person **Responsible** |
| Add location page code | Complete work | 20/05/2016 | Abe Lawson |
| Launch page code | Complete work | 20/05/2016 | Luke Waldren |
| Add location page code | Complete work | 20/05/2016 | Raymond Fu |
| Location page code | Complete work | 20/05/2016 | Taylah Lucas |

**3.Concerns**

- How can we create high quality work to get a high mark

- How can we manage our time to review our individual work as a team.

**4. Next meeting**

Time: 11am, 20th May 2016.

Location: IT Faculty , Monash University, Clayton

**Eng1003- Meeting 1 – 13:00pm, 20 May 2016,**

**Location: G47, 23 College Walk, Monash University, Clayton**

**1.** **Attendance and Apologies**

Members :Abe Lawson, Luke Waldren, Raymond Fu, Taylah Lucas

**2. Agenda:**

Item 2.1 Discuss the problem of the code

Item 2.2 Allocate tasks

Item 2.3 Test the app

**2.1 Discuss and plan assignment**

The meeting members confirm the due day and the requirements of the second assignment. Discuss the problems of the code and try to fix the bug by other team members or send the email to tutor to ask for help.

**2.2 Review work performed previously during the week**

New tasks for the new problems discussed by team member and allocated to individual group members.

Group members will perform their own task according to the plan at home and using GitHub to communicate and share our code and use Asana as well.

**2.3**  **Test the app**

Test the app with team member and try to find the bug of the app. If the app did not finish, test the part of function which had already done.

**Action Sheet from today’s Meeting :**

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Action | Expected Completion Date | Person **Responsible** |
| Add location page code & html file | Complete work | 20/05/2016 | Abe Lawson |
| Launch page code & html file | Complete work | 20/05/2016 | Luke Waldren |
| Add location page code & html file | Complete work | 20/05/2016 | Raymond Fu |
| Location page code & html file | Complete work | 20/05/2016 | Taylah Lucas |

**3.Concerns**

- Are there any bugs in the app

- How can we improve the app for example create a better layout and the user interface

**4. Next meeting**

Time: 11am, 27th May 2016.

Location: IT Faculty , Monash University, Clayton

**Eng1003- Meeting 2 – 13:00pm, 27 May 2016,**

**Location: G47, 23 College Walk, Monash University, Clayton**

**1.** **Attendance and Apologies**

Members :Abe Lawson, Luke Waldren, Raymond Fu, Taylah Lucas

**2. Agenda:**

Item 2.1 Review work performed previously during the week

Item 2.2 Submitting to Moodle

**2.1 Review work performed previously during the week**

Previously during the week group members had completed some individual tasks. This was performed according to the tutorial material and the lecture notes. This work was compared and reviewed with each other.

**2.2 Submitting to Moodle**

Group members check the final submission and after all members agree the final submission, each group member submits the file on Moodle.

**Action Sheet from today’s Meeting :**

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Action | Expected Completion Date | Person Responsible |
| Final submission | Submit to Moodle | 24/05/2016 | All |

**3.Concerns**

- Ensuring all files are submitted correctly with the latest version

- Every group member submits before the deadline