# OneWeather

By Tony, Henry, Zoe, Nick & Jai

**01**

Introduction

**02**

Demonstration

**03**

Requirements

**04**

Issues Met

# 01

Introduction

to Team One & OneWeather

# Introduction

## We are Team One

- Tony
- Henry
- Jai
- Zoe
- Nick

## OneWeather

- Elevator Pitch
  - Weather forecast Widget
  - Expands into Visible stars and Weather on Mars

## 5 Features

- Current Weather
- Weather Forecast
- Visible Stars
- Mars Weather
- Favourites

# 02

• • •

## Demonstration
of OneWeather

# 03

Requirements

and how they were achieved

# How Requirements Were Met

## Trello
- Requirements broken down
- Stories were evaluated using 'User Story Points'
- One member was assigned to a card
    - 2 were assigned if peer programming was practiced

## GIT
- Branches created for each team member
- Each branch merged to Master at the end of each iteration
- Merged back out to individual branches at the start of the next sprint

## Meetings
- Team met 2-3 times a week to touch base

## Communication
- Meetings as mentioned above
- Instant messaging used to keep up to date with progress and changes that would affect others

# 04

Issues Met

and the Risk Register in action

# Issues Met

## Scope changes
- Mars
    - The original NASA Mars API we planned to use was shut down
    - Planned for notifications for "unusual weather" on Mars
- Stars
    - Constellations were going to be included
    - This required us to manually create the constellations within our local Stellarium server, which was beyond our knowledge and scope
- Weather
    - A 7 day forecast was initially planned
    - Previous 7 day forecast was going to be accessible by selecting a "history" option

## Conflicting schedules
- This was a Risk that was mostly accepted
- It was also exploited

## How were these managed?
- Risk strategies

# 05

## Definition of Done

and how it was a challenge

# Definition of Done

The definition of done included following criteria:
- Must pass all test cases
- Backlog of a Sprint has been emptied
- Functionality and visuals are consistent
- Clear documentation for code
- Reviewed and accepted by all team members
- Received approval from client via acceptance testing

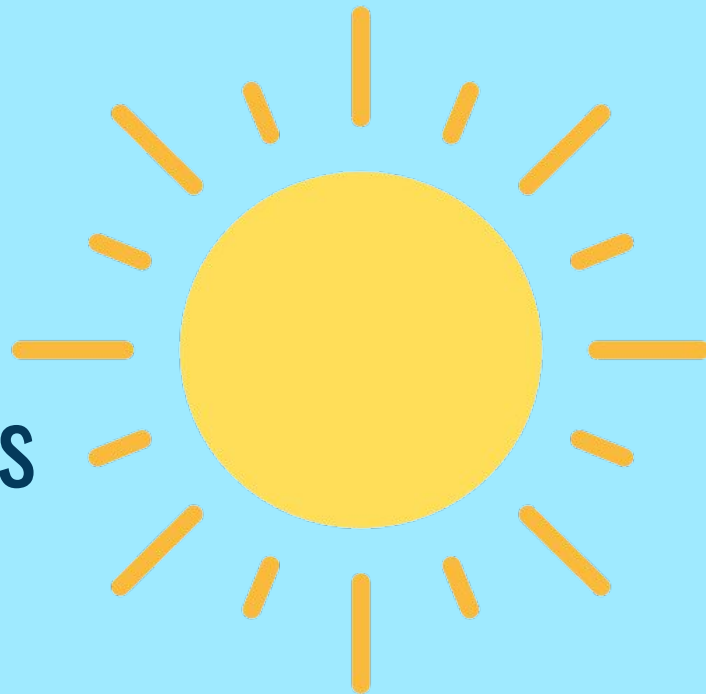Our DoD was frequently not met
- Due to the ambitious scale of it compared to our sprint durations
    - Lack of formal testing of features
    - Early iterations had poor documentation
    - No acceptance testing was ever arrange with the client

# 06

Outstanding Issues

for OneWeather

# Outstanding Issues

Some issues that persist are:
- Loading all data from API
- Slow to load some features
    - Weather API
    - Stars API
- Favourites buttons do not route back to the home screen to search
- Buttons on the 'Stars' page are not homogenous

Otherwise, we have met all our goals!

# 07

## Deployment Plan

to get OneWeather to the public

# Deployment Plan

The deployment plan is:
- `npm run build` will compress the Vue framework for deployment
- Deployed to a MEVN stack
- Hosted on an Amazon EC2 host

The CI/CD pipeline
- Gitlab's `.gitlab-ci.yml` file allows for the `npm run build` command to be run on commit
- CD pipeline needs to be configured as per EC2 instance's requirements

# 08

· · ·

# Conclusion

To our project, OneWeather