

WEATHER APPLICATION

Submitted To:
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What IS Innovation?

Let's start by defining what innovation is?
To me, innovation is the process of creating something new that makes life better. Innovation is impossible without passion. Innovators see the world differently they doesn't see world same as we see.



Weather app

- Knowing what the day will bring is one good way to making a perfect plan for each day. Sometimes this is usually difficult one for all of us because nobody really knows what is likely to happen in the nearest minute
- In order to minimize the risk of distorted daily plans and arrangement, owing to changes in Weather. There is need to take close look on daily weather conditions - which means determining what the weather is likely to bring for the day.
- This goes to help us realise the need and importance of weather forecast and its instruments, including a weather app.

Why we need weather app?

- ❑ To plan journeys ahead.
- ❑ To receive alerts/ warning during Cyclones, Sandstorm, Typhoons etc.
- ❑ To know when rains come or stop.
- ❑ Some travellers need more details about weather, such as visibility chances of rainfall.

Problems with existing app.

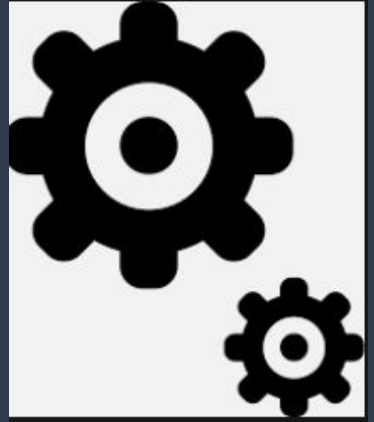
I checked out a few existing weather apps such as Yahoo Weather Default iOS Weather app And found that almost apps have one or more of the following problems.

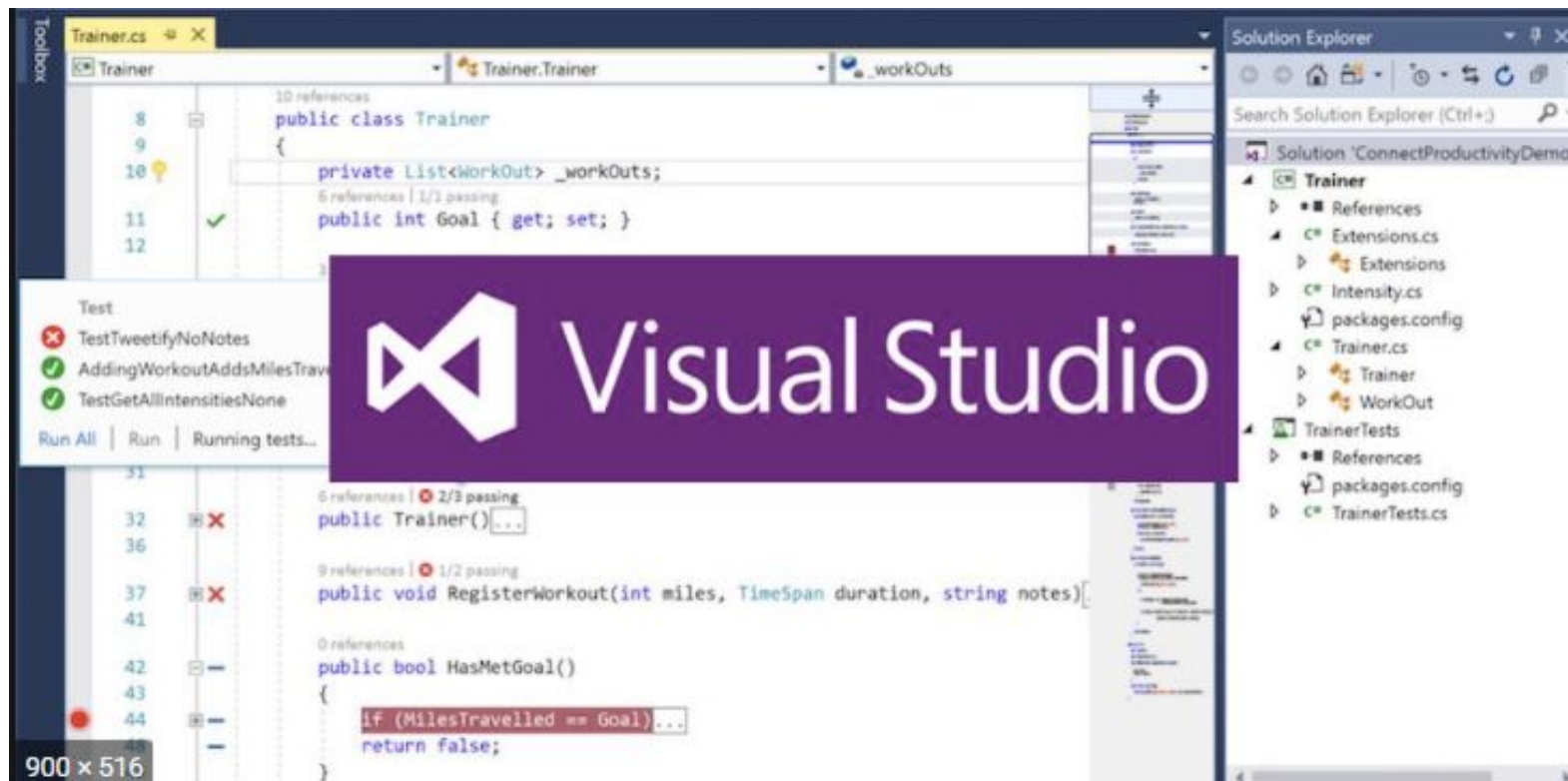
- **Information overload:** User doesn't need every single detail of the climate. He isn't a science student.
- **Too less information.:** Some apps are easy to interpret and use, but show very little info such as just time, date, and temperature.
- **Not Intuitive:** Some maps are beautifully designed, but aren't very intuitive to use.

So a good weather app should....

- ★ Provide weather information in clear crisp and easy to understand manner
- ★ Show weather forecast for the next few days.
- ★ Provide additional details to the concerned user.
- ★ Should be easy to use.

HOW DID WE BUILD WEATHER APP ?





900 x 516

HERE IS SOME SCREENSHOTS OF OUR CODES

AND THE SCREENSHOTS OF
SIMULATOR WHERE WE CAN
RUN OUR APPLICATION



```

<body>
  <section>
    <div class="container d-flex justify-content-between p-5">
      <div class="date-time">
        <div class="h1" id="time">8:20 <small class="text-capitalize" id="am-pm">am</small></div>
        <div class="h3 text-capitalize" id="date">monday, 25 may</div>
      </div>
      <div class="place">
        <div class="h4">
          <div class="time-zone text-capitalize text-end" id="time-zone">Asia/india</div>
          <div class="contry text-end" id="country">in</div>
        </div>
      </div>
    </div>
  </section>
  <section class="p-5 text-sm-start">
    <div class="container">
      <div class="others bg-dark text-light d-sm-flex justify-content-between w-100 align-content-center" id="current-weather-items">
      </div>
    </div>
  </section>

```

```

const months = ['jan', 'feb', 'mar', 'apr', 'may', 'jun', 'jul', 'aug', 'sep', 'oct', 'nov', 'dec'];
const api = 'e7909ff1740fd84ec21a8cf7b67d23b3';

setInterval(() => {
  const time = new Date();
  const month = time.getMonth();
  const date = time.getDate();
  const day = time.getDay();
  const hour = time.getHours();
  const hoursin12hformat = hour >= 13 ? hour % 12 : hour;
  const minutes = time.getMinutes();
  const ampm = hour >= 12 ? 'Pm' : 'Am';

  timee1.innerHTML = hoursin12hformat + ':' + (minutes < 10 ? '0' + minutes : minutes) + `<small class="text-capitalize" id="am-pm">${ampm}</small>`;

  datee1.innerHTML = days[day] + ', ' + date + ' ' + months[month];
}, 1000);

function getweather() {
  navigator.geolocation.getCurrentPosition(success => {
    let { latitude, longitude } = success.coords;

```

10:39 Pm

Sunday, 6 Mar

Asia/Kolkata
28.3643N 77.3352E

Humidity

36

Pressure

1014

Wind-Speed

1.19

Sunrise

06:03 am

Sunset

18:03 pm



Mon

Night - 21.85° C

Day - 27.97° C



Tue

Night - 23.04° C

Day - 30.31° C



Wed

Night - 24.3° C

Day - 31.02° C



Thu

Night - 24.25° C

Day - 32.12° C



Fri

Night - 23.9° C

Day - 30.96° C



Sat

Night - 24.65° C

Day - 31.33° C



Sun

Night - 27.23° C

Day - 33.3° C

When we give access to the location, We can easily see

→ CURRENT TEMPERATURE

→ HUMIDITY

→ PRESSURE

→ LOCATION COORDINATES

→ WIND SPEED

→ SUN-RISE SUN-SET

Benefits Of Weather app

The weather app enables us for make better preparation for the day in relation to giving accurate daily weather forecast.the app provides you with details of the weather elements like pressure,winds,humidity. The app also comes with animates sunrise, sunset, wind and pressure modules

thank
you