

# CodeAlpha Internship Project

## Language Translation Tool

### Intern Details:

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Project: Language Translation Tool

### Project Explanation:

The Language Translation Tool is a web-based application built using ReactJS. It allows users to input text, choose a source and target language, and view the translated output. The app utilizes the MyMemory Translation API to process language translation. Key features include:

- Real-time translation using API
- Simple and clean user interface
- Optionally can include text-to-speech and copy functions

### Source Code (ReactJS):

```
import React, { useState } from 'react';
import axios from 'axios';

const Translator = () => {
  const [text, setText] = useState('');
  const [translated, setTranslated] = useState('');
  const [sourceLang, setSourceLang] = useState('en');
  const [targetLang, setTargetLang] = useState('fr');

  const translateText = async () => {
    const res = await axios.get('https://api.mymemory.translated.net/get', {
      params: { q: text, langpair: `${sourceLang}|${targetLang}` }
    });
    setTranslated(res.data.responseData.translatedText);
  };

  return (
    <div>
      <textarea value={text} onChange={(e) => setText(e.target.value)} />
      <button onClick={translateText}>Translate</button>
      <p>{translated}</p>
    </div>
  );
};
```

```
    );  
};
```

```
export default Translator;
```

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