

## Read me

### Description of The Development Environment

#### Mailbag Application Server

1. The version of Node.js: v16.16.0
2. The browser used to test: Chrome, 106.0.5249.119(arm64)
3. Operating system: macOS Monterey, version 12.6 (21G115), Darwin(21.6.0)
4. A short description of how to test the code:
  - ✧ Open Visual Studio and open **m6\_mailbag\_server** file
  - ✧ Type in correct **smtp & imap information in serverInfo.json file**.
  - ✧ If necessary, modify your mailbox security settings information.
  - ✧ Open Terminal, command line navigate to the **server** directory
  - ✧ Type in “**npm run dev**” in the terminal
  - ✧ Open **Postman**
  - ✧ Choose **http methods** type and type in **corresponding url**, and click **send**, for example (get, localhost/contacts, send), then you will see the response from server.
  - ✧ Similarly, you get test post, put and delete methods in Postman.
5. A short description of how REST helps your web application:
  - ✧ Rest is easy to understand and implement. Rest is meant to work over http, therefore it makes use of http verbs that people can easily understand and use RESTful API.
  - ✧ REST makes our application more scalable.
  - ✧ REST uses Faster data interchange format. RESTful APIs typically use JSON as the data interchange format. JSON is much more compact and smaller in size compare to XML. It can also be parsed faster than XML.
  - ✧ With HATEOAS (Hypermedia as the Engine of Application State), a client interacts with a network application whose application servers provide information dynamically through hypermedia. A REST client needs little to no prior knowledge about how to interact with an application or server beyond a generic understanding of hypermedia.