**Class Assignment 1**

**Topic in CS**

**Shayan Ejaz**

**Fa19-Bcs-075**

**Top 10 Nodes**

**1.Express:**

Express is the leading Node.js framework for quickly creating and publishing applications, and APIs. The framework’s minimal structure allows any Node.js developer to quickly launch a functional application using Express Generator.

**Code:**

A screenshot of a computer

Description automatically generated with medium confidence

**Working:**

## 

## 2.Lodash:

## It makes it easier to work with Arrays, Objects, String etc. My Project would involve a lot of manipulation with Arrays and Objects, so this will be very helpful.

## Code:

## A screenshot of a computer Description automatically generated with medium confidence

## Working:

## 

## 3.Validator:

Library that allows for String Validation (like Email Address Validation, Password Strength Validation etc.)

## Code:

## Text Description automatically generated

## Working:

## 

## 4.Bcrypt:

## I would store all the passwords in the Database hashed. Thus, storage and verification of the password would require this module.

## Code:

## Text Description automatically generated

## Working:

## 

## 5.Uuid:

I might need to track requests coming from each mobile device. UUID will help me identify which mobile device is it, and the user registered against that mobile device.

## Code:

## Graphical user interface, text, application Description automatically generated

## Working:

## 

## 6.Colors:

It is a library that allows to add colors and styling in the terminal. I might use it to show different sorts of responses (like critical log vs unimportant log) in the terminal.

## Code:

## Text Description automatically generated

## Working:

## 

## 7.Moment:

It is a Date library for easy manipulation, parsing, and validation of dates.

**Code:**

A screenshot of a computer

Description automatically generated with medium confidence

## Working:

## 

## 8.Sharp:

This module allows for the resizing of images, rotation of image and others.

## Code:

## A screenshot of a computer Description automatically generated with medium confidence

## Working:

## 

## Before:

## A cat looking at a computer screen Description automatically generated with medium confidence

## After:

## Graphical user interface Description automatically generated

## 9.Pdfkit:

A library for PDF Generation. It can used to create easy as well as complex formatting. Can be used to generate receipts etc. In our case, it will be used to generate prescription.

## Code:

## Text Description automatically generated

## Working:

## A picture containing text, screenshot, screen, different Description automatically generated

## 10.Nodemailer

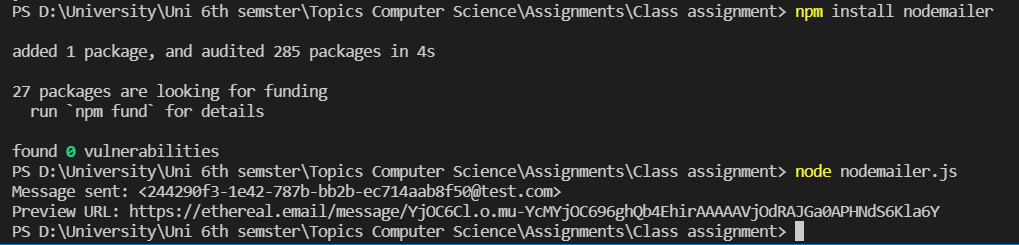
 Email is a big deal, and having a secure way of doing email transactions is essential to your reputation. Nodemailer, a secure framework for doing email management within your Node.js applications.

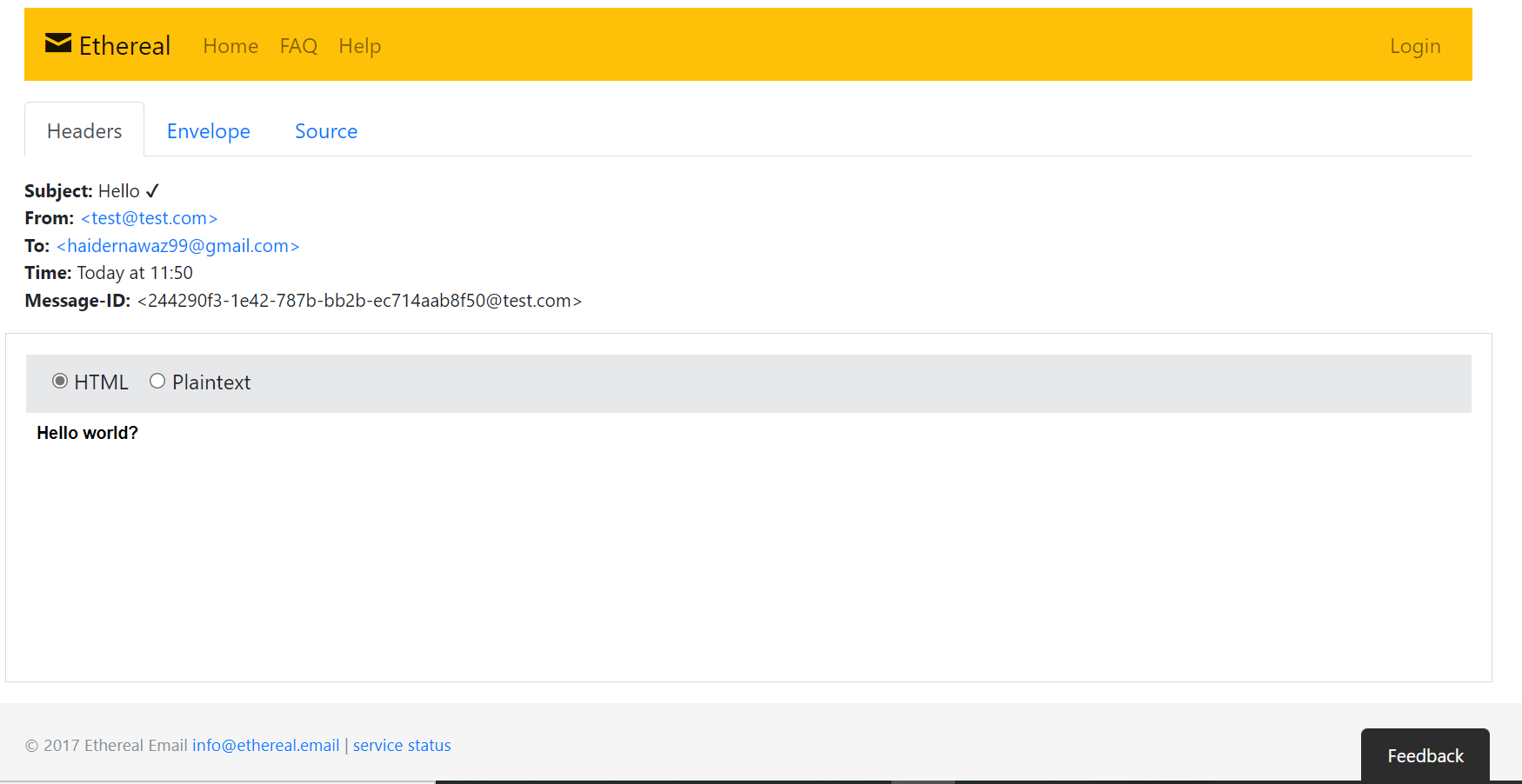
Code:

Text

Description automatically generated

**Working:**

****

****