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**SP19-BCS-083**

Assignment # 1

10 Node Modules

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# Module 1: Express

It is a framework for Node.js, through which one can easily create Web Apps for Web as well as mobile phones.

## Code:

A screenshot of a computer

Description automatically generated with medium confidence

## Working:

Text

Description automatically generated

# Module 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:

Text

Description automatically generated

# Module 3: Validator

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

## Code:

Text

Description automatically generated

## Working:

Text

Description automatically generated

# Module 4: bcrypt

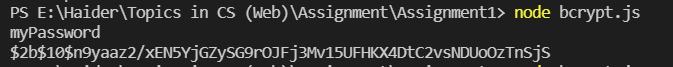
I would store all the passwords in the Database hashed. Thus, storage and verification of the password would require this module.

## Code:

Text

Description automatically generated

## Working:



# Module 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:

Text

Description automatically generated

# Module 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:

Text

Description automatically generated

# Module 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:

Text

Description automatically generated

# Module 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:

Text

Description automatically generated

## Before:

A cat looking at a computer screen

Description automatically generated with medium confidence

## After:

Graphical user interface

Description automatically generated

# Module 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:

Text

Description automatically generated

A picture containing text, screenshot, screen, different

Description automatically generated

# Module 10: nodemailer

It allows for easy email sending. I will use this to send verification email to create user accounts.

## Code:

Text

Description automatically generated

## Working:

Text

Description automatically generated

A screenshot of a computer

Description automatically generated