

Rathnavel Subramaniam College of Arts and Science (Autonomous)
School of Computer Studies (SCS) - MCA
I MCA 2018 LE Batch
Semester – I Full Stack Application Development
EoS Examinations Nov 2019
Major Hackathon EoS Requirement Specifications

Course Title (s) :

Total Marks: 60+60

1) Specialization: Full Stack App Development: Paper - 1: Responsive Web Design

2) Specialization: Full Stack App Development: Paper - 3: JavaScript and JQuery

Refer below for Design Spec Figma Link URL: Multi Product Application

<https://www.figma.com/file/6TK49GggKMZbMWNmjW3ZAj/mca-1st-year?node-id=0%3A1>

1) HTML/CSS/BOOTSTRAP

- **Navigation with search bar (5 Marks)**
 - Create navigation with search bar. Create a modal window for giving search input.
- **Carousel (5 Marks)**
 - Create bootstrap Carousel with minimum 4 images as per the given figma design.
- **Banner (2 Marks)**
 - Create a banner and add images as per figma design.
- **Gallery (10 marks)**
 - Create gallery in home page and perform all alignment as per the given figma design.
- **Footer (3 Marks)**
 - Create a footer and add texts given in figma design. Add that footer in all pages
- **Login and Sign Up (5 Marks)**
 - Create a login and signup pages as modal that should be created in bootstrap. Refer given figma design for this page content.
- **Product Details Page (10 Marks)**
 - Create a product details page that has each product information. Refer given figma design for this page content.
- **View Similar Products (5 Marks)**
 - Create a view similar products page, Refer given figma design for this page content.
- **Add to Cart(10 Marks)**
 - Create a cart design which holds selected products, Refer given figma design for this page content/images.
- **Address with product (5 Marks)**
 - Create address with product page which contains ordered products, Refer given figma design for this page content.

2) JAVASCRIPT / JQUERY

- **Login and SignUp (10 Marks)**
 - Multi user must register themselves with user ID and password, it must be verified with proper credentials
- **Esc function (2 Marks)**
 - When user press ESC key, the window must hide itself
- **Back to top (3 Marks)**
 - When user clicks the button, user must see the top of the page
- **View similar card (5 Marks)**
 - Based on the type user must see the similar item
- **Add address (5 Marks)**
 - This should add a new address to the customer
- **Cart calculation (10 Marks)**
 - Calculate the cart with proper values and display the same
- **Validation (5 Marks)**
 - Any two validations are required in the registration or login
- **All pages navigation (5 Marks)**
 - User must navigate all the pages flawlessly
- **Usage of IF statement (5 Marks)**
 - Use if statement in any of the component in the application
- **Usage of For Loop (10 Marks)**
 - Use for loop in any of the component in the application

1. Commands Usage (10 Marks)

- Applying required NPM commands to initialize and install required packages.
- Applying required DOS Commands for creating folder/files/selecting folder

2. Files/Folders Creation (5 marks)

- Create express-projects folder using DOS Prompt
- Add/open this folder to your editor (Atom / VS Code/etc.)
- Create required js files

3. Internal Module: (10 Marks)

Create a Node JS program to copy data from text file named **sourceFile.txt** content to another text file named **targerFile.txt**.

4. External module: (10 Marks)

Create a Node JS program to list famous dog names and cat names.

5. Route Creation (10 Marks) – Map server to port number 6000

Create a route named “Contact” and print following message when user type

type at browser → `http://localhost/6000/Contact`

display message → Send mail to “*add your mail id here*” and call me @ 040-7777 666

6. Request & Response (15 Marks)

- Create a HTML file named Login.html and add three text fields (names are uid, pass and code) with place holder Enter User-ID, Enter Password, Enter your Security Code.

-Add one submit button namely “Login”.

The **sample response** of the Login button click is “Welcome to JS World 1009” only if User-ID is rvs and Password is 123. Otherwise display error message is “Enter valid User-ID and Password”.

Hint: Add body parser package to perform arithmetic calculations, if your security code is more than 1000 then add 5 with actual security code, if it is less than 1000 then add 10 with actual security code. The example is, if your security code is 999 then add 10, so it is 1009.

*** All the Best ***