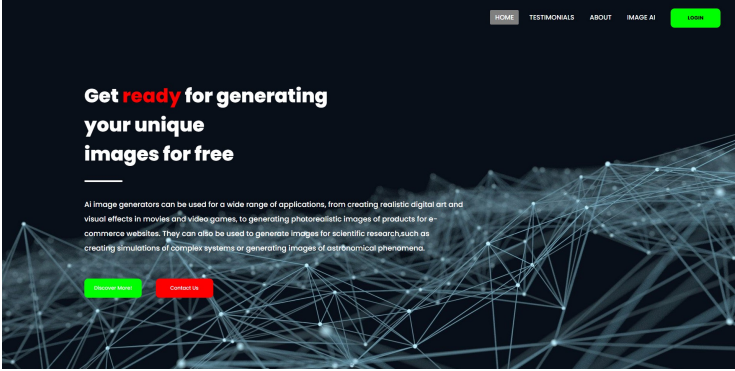
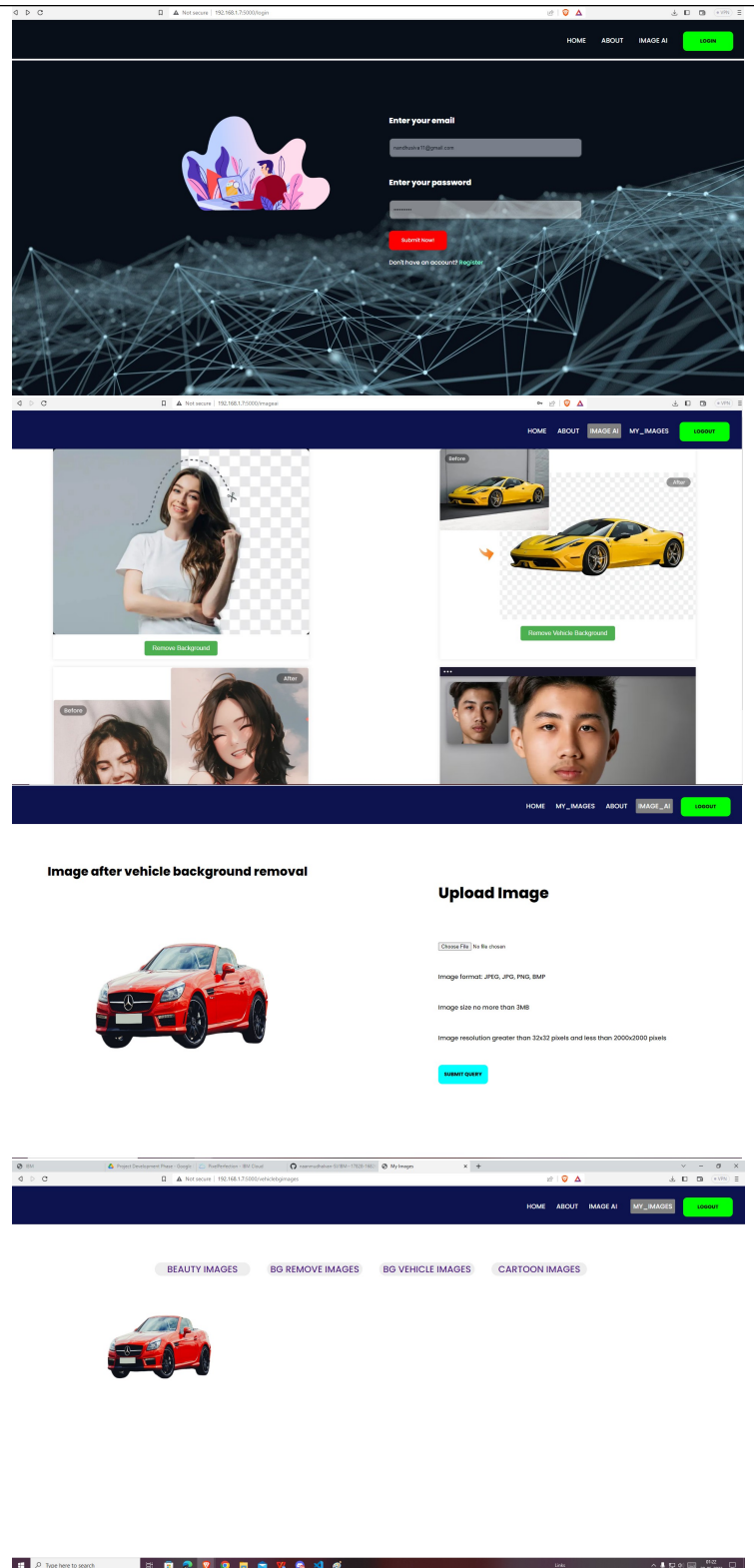


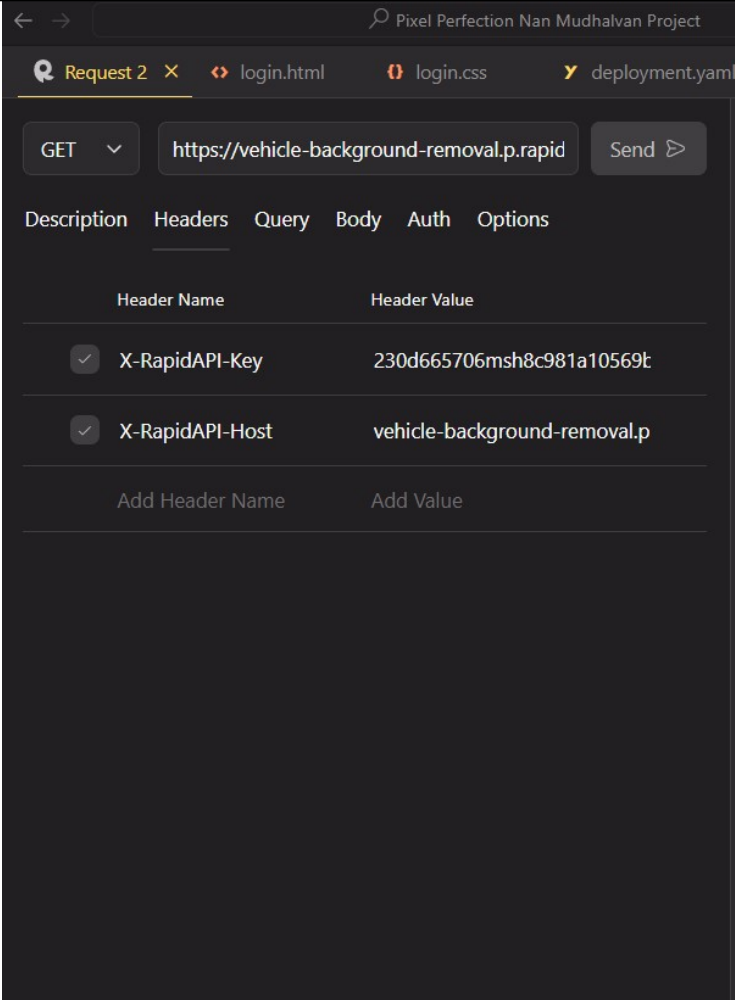
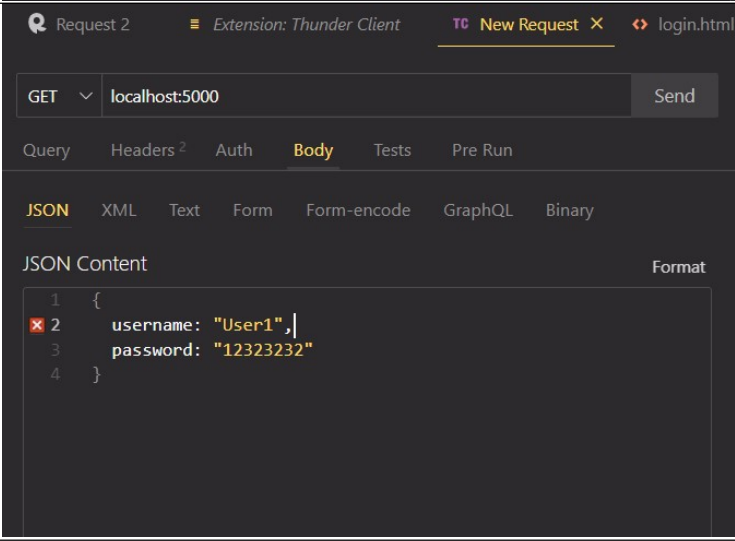
Project Development Phase Performance Test

Date	13 May 2023
Team ID	NTM2023TMID12549
Project Name	Pixel Perfection: Transforming your photos of our cutting -Edge image editing platform

Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Form Validation	Login form, registration form and all other forms validation	<pre> @app.route('/login', methods=['GET', 'POST']) def login(): if request.method == 'POST': u_email = request.form['umail'] u_pass = request.form['upass'] if not u_email or u_pass: msg="Please provide all values" return render_template('login.html',msg=msg) app.logger.info(f"The email id of the user: {u_email} and password: {u_pass}") sql="select * from user where email= ? and password=?" stmt=ibm_db.prepare(conn,sql) ibm_db.bind_param(stmt, 1,u_email) ibm_db.bind_param(stmt,2,u_pass) ibm_db.execute(stmt) account=ibm_db.fetch_assoc(stmt) if account: session['LoggedIn']=True session['USERID']=account['USERID'] session['NAME']=account['NAME'] return redirect(url_for('imageai')) else: msg="Check Email and password you have entered" return render_template("login.html",msg=msg) return render_template('login.html') </pre>
2.	Project Flow	Redirections	



3.	API Testing/Validation	Testing API	 <p>The screenshot shows the Thunder Client interface. At the top, there's a search bar with 'Pixel Perfection Nan Mudhalvan Project'. Below it, a tab for 'Request 2' is active. The request method is 'GET' and the URL is 'https://vehicle-background-removal.p.rapid'. The 'Headers' tab is selected, showing two headers: 'X-RapidAPI-Key' with value '230d665706msh8c981a10569t' and 'X-RapidAPI-Host' with value 'vehicle-background-removal.p'. There are also input fields for 'Add Header Name' and 'Add Value'.</p>
4.	Database Schema Validation	Validating inputs as per schema	 <p>The screenshot shows the Thunder Client interface. At the top, there's a search bar with 'Pixel Perfection Nan Mudhalvan Project'. Below it, a tab for 'Request 2' is active. The request method is 'GET' and the URL is 'localhost:5000'. The 'Body' tab is selected, showing a JSON body with the following content: { 'username': 'User1', 'password': '12323232' }. The 'JSON' tab is selected, and there are options for 'XML', 'Text', 'Form', 'Form-encode', 'GraphQL', and 'Binary'. The 'JSON Content' is displayed in a code editor with line numbers 1 to 4.</p>

5.	Application performance testing using online tool (GTmetrix)	<p>The screenshot displays the GTmetrix 'Latest Performance Report' for the URL http://159.122.178.3:32265/. The report was generated on May 19, 2023, at 1:25 PM -0700, from a test server in Vancouver, Canada, using Chrome (Desktop) 103.0.5060.134 and Lighthouse 9.6.4.</p> <p>GTmetrix Grade: A</p> <p>Performance: 99%</p> <p>Structure: 83%</p> <p>Web Vitals:</p> <ul style="list-style-type: none">Largest Contentful Paint: 574msTotal Blocking Time: 0msCumulative Layout Shift: 0.02 <p>The report includes a 'Speed Visualization' chart showing the timeline of page loading events. Key events include:</p> <ul style="list-style-type: none">HTML loaded (0.0s)First CSS loaded (0.0s)First JS loaded (0.0s)DOMContentLoaded (0.0s)Page rendered (0.0s)Page idle (0.0s)Page fully loaded (0.0s) <p>On the right side, there are buttons for 'No-Test', 'Complete', 'Page Settings', 'History', 'Set Up Alerts', 'Tags', and 'Download PDF'. A sidebar on the far right encourages users to 'Test this page in 7 global locations' and provides a 'Create account' button.</p>
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