

GSD__QA, Security & Performance Report

Task	Completed By	Support Engineer (Support Dev.)	QA & Testing	Reviewer	Status
Backend System (HMS)	Syed	Sagar	Taiful Ridwan	Syed	Approved
Frontend System (HMS)	Sagar	Ridwan Foysool Manjot	Ridwan Taiful	Syed	Approved

- Report

Topics	Description	Completed By/ Support Dev/ QA & Tester	Reviewed By	Status
API Endpoint	We faced some endpoint problems, it's not working properly what we want.	Ridwan Taiful	Syed	Approved
JWT Token	It's not stored in the Browser cookie.	Taiful	Syed	Approved
Color Code	In development time they use incorrect color code.	Foysool	Syed, Foysool	Approved
Mapping/ Sizing	Box, Button, Navbar, footer, sidebar: development time they use incorrect property.	Manjot	Syed, Manjot	Approved
Technology	Before starting development, we faced technology complexity, so we arranged a meeting with the Project Manager and solved	Foysool Manjot	Syed	Solved

	this matter very easily.			
GitHub	In starting time: The developer faced GitHub merge, push, and pull issues.	<p>Taiful -</p> <p>Manjot -</p> <p>Ridwan -</p> <p>Foysol -</p>	Syed, Sagar	Solved -
GitHub: Conflict	<ol style="list-style-type: none"> 1. Simultaneous Changes: When two or more developers make changes to the same part of a file without synchronizing their work, conflicts can occur during the process of merging these changes. 2. Merge Conflict: GitHub detects conflicting changes during a merge operation, where it tries to automatically merge the changes from one branch into another. If there are conflicting changes, GitHub marks the affected files as having a conflict. 3. Committing Changes: After resolving conflicts, developers need to commit the changes to the repository. This finalizes the merge process and integrates the conflicting changes into the codebase. 	<p>Sagar -</p> <p>Foysol -</p> <p>Manjot -</p> <p>Taiful -</p> <p>Ridwan -</p>	Syed	Solved -
Platform compatibility	<p>Problem: Platform compatibility is one of the most common and significant web development challenges, High portability and cross-platform compatibility are essential for increased user engagement and productivity in the digital market.</p> <p>How We Solved: Some common cross-browser cloud tools include LambdaTest, BrowserStack, TestingBot, TestGrid, etc.</p> <p>And, test the application in different browsers.</p>	<p>Sagar -</p> <p>Foysol -</p> <p>Manjot -</p> <p>Tested By:</p> <p>Taiful -</p> <p>Ridwan -</p>	Syed	In progress -

<p>Optimization</p>	<p>Our daily friend: We are facing the optimization problem almost every time.</p> <p>What we are doing: optimizing code, images, and content.</p>	<p>Sagar ▾ Foyso ▾ Manjot ▾</p> <p>Tested By: Ridwan ▾ Taiful ▾</p>	<p>Syed</p>	<p>continuous... ▾</p>
<p>Performance</p>	<p>Importance: The performance of a web application is one of the most crucial objectives of any web-based project. A website to be smooth, seamless, interactive, and fast. Buggy websites with slow load times and performance bottlenecks are frustrating to use, eventually driving away the users.</p> <p>Solution: Different tools and techniques can be used to ensure the optimal performance of your websites. These prominent tools include web app metrics, Google core web vitals, and optimization techniques.</p>	<p>Taiful ▾ Ridwan ▾</p>	<p>Syed</p>	<p>In progress ▾</p>
<p>Security</p>	<p>What we faced/ will face: Web security is one of the most pressing challenges faced by web developers owing to the increasing cases of cyber attacks in the digital world. Some common cyber attacks prominently deployed are access control, cross-site scripting, link injections, authentication breakdowns, and security misconfigurations.</p> <p>Solution: It is critical to have robust cyber security protocols and strategies to provide an all-around secure framework for end-users. Some security practices to put in place include integration of SSL certification, hosting on a secure server, regular security updates, biometric and multi-factor authentication, and access</p>	<p>Taiful ▾ Ridwan ▾ Sagar ▾</p>	<p>Syed</p>	<p>Not started ▾</p>

	validation, among others.			
--	---------------------------	--	--	--

NOTE: It's our progress report from 25/04/2024 to 01/05/2024.