

## GSD\_\_User Acceptance Testing (UAT) & Final 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 Taiful	Ridwan Taiful	Syed	Approved
Deploy/ Hosting: netlify.app/ vercel.app	Syed	Sagar	Taiful Ridwan	Syed & Sagar	Approved

### USER TEST REPORT

User Type (dummy)	Role	Experience Level	Feedback	Recommend Other User	Completed By	Reviewed By
Administrator	Hospital Director	Expert	The system provides comprehensive reporting tools, making it easy to track hospital performance.	Yes	Mumin	Syed & Team
Doctor	Surgeon	Intermediate	User-friendly interface, but some features like patient scheduling could be more intuitive.	Yes	Mumin	Syed & Team
Nurse	ICU Nurse	Novice	Appreciates the ease of accessing patient records but suggests adding more training materials for new users.	Yes	Mumin	Syed & Team
Front Desk Staff	Receptionist	Intermediate	Smooth patient check-in process, but occasional system lag during peak	Yes	Mumin	Syed & Team

			hours.			
IT Administrator	System Administrator	Expert	Stable system performance with minimal downtime, but requests additional customization options for better alignment with hospital workflows.	Yes	Mumin ▾	Syed & Team
Patient	Outpatient	Novice	Appreciates online appointment scheduling feature but suggests improving/adding the clarity of billing statements for better understanding.	Yes	Mumin ▾	Syed & Team
HR Staff	HR Manager	Expert	Comprehensive employee management features, but desires better analytics for workforce planning and performance evaluation.	Yes	Mumin ▾	Syed & Team

- 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.	Foysol ▾	Syed, Foysol	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 this matter very easily.	Foysol - Manjot -	Syed	Solved -
GitHub	In starting time: The developer faced GitHub merge, push, and pull issues.	Taiful - Manjot - Ridwan - Foysol -	Syed, Sagar	Solved -
GitHub: Conflict	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>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.</li> </ol>	Sagar - Foysol - Manjot - Taiful - Ridwan -	Syed	Solved -
Platform compatibility	<p><b>Problem:</b> 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><b>How We Solved:</b> Some common cross-browser cloud tools include LambdaTest, BrowserStack, TestingBot, TestGrid, etc.</p>	Sagar - Foysol - Manjot -  <b>Tested By:</b> Taiful - Ridwan -	Syed	Approved -

	And, test the application in different browsers.			
Optimization	<p><b>Our daily friend:</b> We are facing the optimization problem almost every time.</p> <p><b>What we are doing:</b> optimizing code, images, and content.</p>	<p>Sagar ▾</p> <p>Foysol ▾</p> <p>Manjot ▾</p> <p><b>Tested By:</b></p> <p>Ridwan ▾</p> <p>Taiful ▾</p>	Syed	Approved ▾
Performance	<p><b>Importance:</b> 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><b>Solution:</b> 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 ▾</p> <p>Ridwan ▾</p>	Syed	Approved ▾
Security	<p><b>What we faced/ will face:</b> 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><b>Solution:</b> 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,</p>	<p>Taiful ▾</p> <p>Ridwan ▾</p> <p>Sagar ▾</p>	Syed	Approved ▾

	regular security updates, biometric and multi-factor authentication, and access validation, among others.			
Market Research/ User Feedback	Collected different user feedback, and experiences.  And, comparison with similar applications in the market.	Mumin ▾	Syed	Approved ▾

NOTE: It's our progress report from 02/05/2024 to 07/05/2024.