

Worklog for Week 9 (10.03.2025 – 15.03.2025)

Objective: Integration and Testing (Part 1)

- End-to-end integration of frontend and backend.
- Unit testing for individual modules.

Santhosh K (7376212IT221) – Backend API Testing & Integration

- Verified data consistency in MongoDB during API testing.
- Fixed issues in requestController.js where rejected requests were not adjusting stock properly.
- Debugged productController.js to ensure CRUD operations for stock management work correctly.
- Unit tested:
 - /api/requests – Ensured correct request status updates.
 - /api/products – Verified data consistency during add, update, and delete operations.
- Improved API error handling for better debugging and feedback.

Jayasuriya J (7376212IT160) – Frontend Integration & Testing

- Integrated frontend with backend APIs using Axios.
- Ensured smooth state management using useState and useEffect hooks in key components.
- Performed unit testing on:
 - UserDashboard.jsx – Verified accurate stock display and order statuses.
 - RequestForm.jsx – Ensured form validation and proper submission handling.
- Fixed routing issues with React Router during dashboard navigation.
- Enhanced responsiveness and UI consistency using CSS.

Rakesh M (7376212IT208) – Full-Stack Integration and Sync Testing

- Integrated OrderTracking.jsx and RequestList.jsx with backend APIs.
- Ensured real-time updates using Axios and React state.
- Synchronized frontend request lifecycle with backend status updates.
- Performed unit testing on:
 - OrderTracking.jsx – Verified order tracking timeline and updates.
 - RequestList.jsx – Checked admin-side request management and real-time updates.
- Fixed CORS errors and ensured smooth state management.

Praveen R (7376212IT201) – Admin Module Testing

- Connected AdminDashboard.jsx, ManageInventory.jsx, and UserManagement.jsx to backend APIs.
- Verified secure access using JWT-based authentication.
- Performed unit testing on:
 - ManageInventory.jsx – Ensured accurate stock adjustments on approval/rejection.
 - UserManagement.jsx – Verified admin role handling and user status updates.
- Fixed API response inconsistencies in /api/products and /api/users.
- Ensured smooth data rendering and API calls in admin panel.