Here's a comprehensive list of missing or incomplete functionality in the doctor dashboard that needs to be implemented:

### \*\*1. Core Dashboard Functionality\*\*

- [ ] \*\*Appointment Management System\*\*

- Real-time calendar view with drag-and-drop rescheduling

- Conflict detection for overlapping appointments

- Patient no-show tracking and reporting

- [ ] \*\*Patient Lookup & Profiles\*\*

- Searchable patient directory with filters (name, last visit, conditions)

- Quick-access patient medical summaries

- Medical history timeline visualization

### \*\*2. Clinical Tools\*\*

- [ ] \*\*Prescription Module\*\*

- Medication database with auto-complete

- Dosage calculator/validator

- Pharmacy integration (e-prescribing)

- Prescription templates for common treatments

- [ ] \*\*Medical Records Integration\*\*

- Lab result viewer with trend graphs

- Imaging reports section

- Progress note templates (SOAP format)

### \*\*3. Workflow Features\*\*

- [ ] \*\*Task Management\*\*

- Pending approvals queue (lab orders, referrals)

- Priority flagging system

- Follow-up reminders

- [ ] \*\*Communication Center\*\*

- Secure messaging with patients

- Internal staff chat

- Notification system (appointment changes, lab results)

### \*\*4. Data & Reporting\*\*

- [ ] \*\*Analytics Dashboard\*\*

- Patient volume statistics

- Most common diagnoses

- Prescription patterns

- Custom report generator

- [ ] \*\*Billing Integration\*\*

- Procedure code lookup

- Visit documentation for claims

- Charge capture

### \*\*5. Technical Requirements\*\*

- [ ] \*\*System Integration\*\*

- HL7/FHIR API connections for EHR systems

- Lab/imaging center interfaces

- Pharmacy network connectivity

- [ ] \*\*Security Features\*\*

- Session timeout warnings

- Break-the-glass emergency access

- Audit logging for PHI access

### \*\*6. UI/UX Improvements\*\*

- [ ] \*\*Accessibility\*\*

- WCAG 2.1 AA compliance

- High-contrast mode

- Keyboard navigation

- [ ] \*\*Customization\*\*

- Specialty-specific layout options

- Personal preference saving (default views, common medications)

### \*\*7. Testing Needed\*\*

- [ ] \*\*Edge Cases\*\*

- Same-patient concurrent appointments

- Emergency slot overrides

- Cross-timezone scheduling

- [ ] \*\*Performance\*\*

- Load testing for 50+ concurrent appointments

- Database query optimization

- Caching strategy for frequently accessed records

Would you like me to:

1. Prioritize these items based on clinical importance?

2. Provide technical specifications for any specific component?

3. Suggest implementation timelines?

The prescription module and appointment management system would provide the most immediate value if implemented first. I can elaborate on either of those systems with:

- Detailed workflow diagrams

- Sample code for key functions

- Database schema extensions required