IntelliConsult

Software Engineering - (IT314)
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Group 1

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Epics:

Module 1: Landing and Authentication

Front of Card	Back of Card	Elicitation Techniques
User Stories	**Confirmation**	
User Story 1.1: **New User Onboarding** As a new visitor, I want to understand the platform's value proposition on the landing page so that I can decide if I want to sign up.	**Acceptance Criteria:** ● Given the user is on the landing page. ● When the user views the hero section, then the system displays a clear headline explaining what IntelliConsult does. ● And the system renders distinct sections explaining the benefits for both "Patients" and "Doctors". ● And the system displays clear "Sign Up" call-to-action buttons.	● Interviews, Surveys and Stakeholder Analysis
User Story 1.2: **Patient Registration** As a patient, I want to register securely with my email and password so that I can book appointments, manage my health information, and use the platform's features.	**Acceptance Criteria:** ● Given the user is on the Sign-Up page and has selected the "Patient" role. ● When the user fills in their name, email, and a valid password and clicks "Sign Up". ● Then the system creates a new patient account in the database.	● Analysis of Existing Systems & Prototyping

	● And the system redirects the user to the Patient Dashboard. ● And the system sends a verification email to the provided address. ● And if the email is already registered, the system displays an "Email already in use" error.	
User Story 1.3: **Doctor Registration** As a new user, I want to sign up for a Doctor account so that I can offer consultations on the platform.	● Given the user is on the Sign-Up page and has selected the "Doctor" role. ● When the user fills in their name,email,medical license number,their area of specialization and years of work experience and clicks "Sign-Up". ● Then the system creates a new doctor account with "Pending Verification" status.	● Analysis of Existing Systems & Prototyping
User Story 1.4: **User Login** As a user I want to securely login into my account so that I can access my dashboard and see all relevant information	● Given a registered user is on the Login page ● When the user enters their correct email and password and clicks "Login".Then the system validates the credentials, authenticates the user session, and redirects them to their respective dashboard. ● And if the user enters incorrect credentials, the system displays an "Invalid	● Analysis of Existing Systems & Prototyping

Front of Card	Back of Card	Elicitation Techniques
User Story 1.5: **Password Reset** As a registered user who forgot my password, I want to request a password reset link so that I can regain access to my account.	email or password" error message. **Acceptance Criteria:** - Given the user is on the Login page. - When the user clicks the "Forgot Password" link and enters their registered email address. - Then the system generates a secure, time-limited token and sends an email containing the password reset link to that address.	• Analysis of Existing Systems & Prototyping

Module 2: Patient Dashboard & Doctor Discovery

Front of Card	Back of Card	Elicitation Techniques
User Stories	**Confirmation**	
User Story 2.1: **Doctor Search & Filter** As a patient, I want to search for doctors and filter them by specialty so that I can find a relevant provider for my condition.	**Acceptance Criteria:** - Given the patient is logged in and on the "Find a Doctor" page. - When the patient selects "Dermatology" from the specialty filter. - Then the system queries the database for verified doctors matching that specialty and refreshes the page to display the results.	• Brainstorming & Google Form Surveys

	● And for each doctor, the system displays a card with their name, specialty, photo, and consultation fee.	
User Story 2.2: **View Doctor Profile** As a patient, I want to view a doctor's detailed profile so that I can learn more about them and see their availability before booking.	**Acceptance Criteria:** ● Given the patient is viewing the doctor search results. ● When the patient clicks on a doctor's card. ● Then the system retrieves that doctor's detailed information and availability calendar and renders their full profile page.	● Surveys and Prototyping
User Story 2.3: **Appointment Booking** ● As a patient, I want to book an available appointment slot from a doctor's profile so that I can schedule a consultation.	**Acceptance Criteria:** ● Given the patient is on a doctor's profile page. ● When the patient clicks an available time slot and confirms the booking. ● Then the system creates a new appointment record in the database and the system updates the doctor's calendar to mark the slot as unavailable.and the	● Joint Application Design (JAD) & Prototyping

	system redirects the patient to the pre-visit intake form.	
User Story 2.4: **View Upcoming Appointments** ● As a patient, I want to see my upcoming appointments on my dashboard so that I can keep track of my schedule.	**Acceptance Criteria:** ● Given the patient is logged in to their dashboard. ● When the dashboard page loads. ● Then the system fetches all future appointments for that patient from the database and displays them in the "Upcoming Appointments" section.	● Surveys and Prototyping

Module 3: AI-Powered Intake & Triage

Front of Card	**Back of Card**	**Elicitation Techniques**
User Stories	**Confirmation**	
User Story 3.1:	**Acceptance Criteria:** ● Given a patient has just successfully booked an appointment.	● Interviews

Submit Pre-Visit Form ● As a patient, I want to fill out a pre-visit form after booking so that my doctor is prepared for our consultation.	● When the pre-visit form page is loaded, the system displays fields for symptoms, medical history, and a file upload option. ● And when the user clicks "Submit", the system validates and securely saves the form data, associating it with the correct appointment record.	
User Story 3.2: **AI Triage (Backend Story)** ● As the system, I want to process the submitted pre-visit form data through an AI model so that I can generate an urgency score and a concise summary for the doctor.	**Acceptance Criteria:** ● Given a pre-visit form has been successfully submitted to the backend. ● When the data is received. ● Then the system's AI service analyzes the content to generate a numerical urgency score (1-5) and a short summary. ● And the system saves this score and summary to the corresponding appointment record in the database.	● Brainstorming & Interviews