# BraidArt App Summary

## 1. User Authentication & Role System

* • JWT-based login and registration
* • User roles: admin, regular user
* • Role-based access to dashboard pages

## 2. Admin Dashboard Features

* • View all users
* • Add new user (with role)
* • Reset user password
* • Filter/search users
* • View all bookings and consultations
* • Mark appointment status
* • Manage video tutorials (CRUD + show\_on\_homepage flag)
* • Manage services (CRUD + show\_on\_homepage flag)

## 3. Regular User Features

* • Book appointments
* • Schedule consultations
* • View own bookings
* • Earn loyalty points and redeem rewards
* • View video tutorials (with featured tutorials on homepage)

## 4. User Profile Page

* • Update full name, phone number
* • Change password securely
* • Upload profile image
* • Email shown (disabled from editing)

## 5. Frontend UI (React + Tailwind)

* • Responsive navigation with dropdown and mobile menu
* • Home page sections: Hero, Portfolio, Services, Testimonials, About, Contact, Tutorials
* • Separate pages for profile, login, register, bookings, dashboard
* • Toast notifications for actions
* • Form validation and error handling

## 6. Backend (FastAPI + SQLAlchemy + Alembic)

* • Modular router structure (users, auth, admin, bookings, tutorials, services)
* • SQLite with Alembic for migrations (non-destructive updates)
* • Schema-based request/response models
* • Secure password hashing with bcrypt

## 7. Database Tables

* • users (email, username, full\_name, password, profile\_image, role)
* • bookings (user\_id, service, time, status)
* • services (title, description, image, show\_on\_homepage)
* • tutorials (title, video\_url, description, show\_on\_homepage)

## 8. Miscellaneous Features

* • Loyalty program shows only if user is logged in
* • Dropdown menu dynamically updates based on login status
* • Token expiration handling (auto logout on expired token)