## **🗓️ Sprint Timeline & Focus Areas**

| **Sprint** | **Dates (2025)** | **Focus** | **Key Features** |
| --- | --- | --- | --- |
| Sprint 1 | Sept 23–Sept 29 | Core Setup | Auth, troupe creation, membership, basic UI |
| Sprint 2 | Sept 30–Oct 6 | Messaging & Real-Time | SignalR, direct/group chat, Razor components |
| Sprint 3 | Oct 7–Oct 13 | Polish & PWA | Profile management, PWA setup, demo prep |

## **🧩 Sprint 1: Core Setup**

### **🔧 Backend Tasks**

* [ ] Set up .NET project structure and EF Core
* [ ] Create models: User, Troupe, Membership
* [ ] Implement AuthController (register, login, logout)
* [ ] Implement TroupeController (create, list, update, delete)
* [ ] Implement MembershipController (join/leave troupe)

### **🎨 Frontend Tasks**

* [ ] Build Razor layout shell
* [ ] Create registration/login pages
* [ ] Create troupe creation and listing UI

### **📅 Meeting Card**

* [ ] **Sprint 1 Planning Meeting** 📍 Thurs, Sept 26 @ 6PM UTC  
   📝 Agenda: Assign tasks, review models, confirm auth flow

## **💬 Sprint 2: Messaging & Real-Time**

### **🔧 Backend Tasks**

* [ ] Create models: Conversation, ConversationParticipant, Message
* [ ] Implement ConversationController (start, list)
* [ ] Implement MessageController (send, fetch)
* [ ] Integrate SignalR for real-time updates

### **🎨 Frontend Tasks**

* [ ] Build Razor chat components (group + direct)
* [ ] Display messages in real-time
* [ ] Add troupe message threads and direct chat UI

### **📅 Meeting Card**

* [ ] **Sprint 2 Planning Meeting** 📍 Thurs, Oct 3 @ 6PM UTC  
   📝 Agenda: SignalR integration, UI feedback, bug triage

## **🚀 Sprint 3: Polish & PWA**

### **🔧 Backend Tasks**

* [ ] Implement UserController (profile update, list users)
* [ ] Implement InterestController (stretch goal)
* [ ] Add role-based access logic (admin vs trouper)

### **🎨 Frontend Tasks**

* [ ] Build profile management UI
* [ ] Configure Blazor PWA manifest + service worker
* [ ] Add offline support and caching

### **🧪 QA & Deployment**

* [ ] Manual testing across devices
* [ ] Final bug fixes
* [ ] Prepare demo walkthrough

### **📅 Meeting Card**

* [ ] **Sprint 3 Planning Meeting** 📍 Thurs, Oct 10 @ 6PM UTC  
   📝 Agenda: Final polish, PWA checklist, demo rehearsal

## **🧑‍💻 Team Roles (Suggested)**

| **Role** | **Member Focus** |
| --- | --- |
| Backend Lead | Models, controllers, SignalR |
| Frontend Lead | Razor components, UI polish |
| DevOps | Render/Azure deployment, HTTPS, PWA |
| QA Tester | Manual testing, bug tracking |
| Scrum Master | Trello updates, meeting facilitation |
| UI/UX | Layout, responsiveness, accessibility |