

News Marketplace - File & Folder Structure

Frontend Structure (React.js + TailwindCSS)

```
frontend/
├── public/
│   ├── index.html
│   ├── favicon.ico
│   ├── manifest.json
│   └── robots.txt
├── src/
│   ├── components/
│   │   ├── common/
│   │   │   ├── Header.jsx
│   │   │   ├── Footer.jsx
│   │   │   ├── Sidebar.jsx
│   │   │   ├── LoadingSpinner.jsx
│   │   │   └── ErrorBoundary.jsx
│   │   ├── auth/
│   │   │   ├── LoginForm.jsx
│   │   │   ├── RegisterForm.jsx
│   │   │   ├── ForgotPassword.jsx
│   │   │   └── ProtectedRoute.jsx
│   │   ├── articles/
│   │   │   ├── ArticleList.jsx
│   │   │   ├── ArticleCard.jsx
│   │   │   ├── ArticleDetail.jsx
│   │   │   ├── ArticleEditor.jsx
│   │   │   ├── ArticlePreview.jsx
│   │   │   └── MediaUploader.jsx
│   │   ├── ai/
│   │   │   ├── AIAssistant.jsx
│   │   │   ├── ContentSuggestions.jsx
│   │   │   └── WritingPrompts.jsx
│   │   └── search/
│   │       ├── SearchBar.jsx
│   │       └── SearchResults.jsx
```

```
| | | └─ CategoryFilter.jsx
| | |   └─ AdvancedSearch.jsx
| | └─ user/
| | | └─ UserProfile.jsx
| | | └─ UserDashboard.jsx
| | | └─ SubscriptionManager.jsx
| | |   └─ PaymentHistory.jsx
| | └─ admin/
| | | └─ AdminDashboard.jsx
| | | └─ UserManagement.jsx
| | | └─ ContentModeration.jsx
| | | └─ Analytics.jsx
| | |   └─ SystemSettings.jsx
| | └─ payment/
| | | └─ PaymentForm.jsx
| | | └─ SubscriptionPlans.jsx
| | |   └─ PaymentSuccess.jsx
| └─ pages/
| | └─ HomePage.jsx
| | └─ LoginPage.jsx
| | └─ RegisterPage.jsx
| | └─ DashboardPage.jsx
| | └─ ArticlePage.jsx
| | └─ CreateArticlePage.jsx
| | └─ SearchPage.jsx
| | └─ ProfilePage.jsx
| | └─ SubscriptionPage.jsx
| |   └─ AdminPage.jsx
| └─ hooks/
| | └─ useAuth.js
| | └─ useArticles.js
| | └─ useAI.js
| | └─ usePayment.js
| |   └─ useLocalStorage.js
| └─ context/
| | └─ AuthContext.js
| | └─ ThemeContext.js
| |   └─ NotificationContext.js
| └─ services/
| | └─ api.js
| | └─ authService.js
```

```
| | └─ articleService.js
| | └─ aiService.js
| | └─ paymentService.js
| | └─ uploadService.js
| └─ utils/
| | └─ constants.js
| | └─ helpers.js
| | └─ validators.js
| | └─ formatters.js
| └─ styles/
| | └─ globals.css
| | └─ components.css
| | └─ tailwind.css
| └─ assets/
| | └─ images/
| | └─ icons/
| | └─ fonts/
| └─ App.jsx
| └─ index.js
| └─ setupTests.js
└─ package.json
└─ package-lock.json
└─ tailwind.config.js
└─ postcss.config.js
└─ .env
└─ .env.example
└─ .gitignore
└─ README.md
```

Backend Structure (Node.js + Express)

```
backend/
└─ src/
| └─ controllers/
| | └─ authController.js
| | └─ userController.js
| | └─ articleController.js
| | └─ aiController.js
| | └─ paymentController.js
| | └─ adminController.js
| | └─ uploadController.js
```

```
| |─ middleware/
| | |─ auth.js
| | |─ validation.js
| | |─ rateLimiting.js
| | |─ errorHandler.js
| | |─ logger.js
| | └─ cors.js
| └─ models/
| |─ User.js
| |─ Article.js
| |─ Category.js
| |─ Comment.js
| |─ Subscription.js
| |─ Payment.js
| |─ Notification.js
| | └─ AIGeneration.js
| └─ routes/
| |─ auth.js
| |─ users.js
| |─ articles.js
| |─ ai.js
| |─ payments.js
| |─ admin.js
| | └─ uploads.js
| └─ services/
| |─ authService.js
| |─ articleService.js
| |─ aiService.js
| |─ paymentService.js
| |─ emailService.js
| |─ uploadService.js
| | └─ notificationService.js
| └─ utils/
| |─ database.js
| |─ redis.js
| |─ constants.js
| |─ helpers.js
| |─ validators.js
| | └─ logger.js
| └─ config/
| |─ database.js
```

```
| | └─ redis.js
| | └─ ai.js
| | └─ payment.js
| | └─ email.js
| | └─ storage.js
| └─ migrations/
| | └─ 001_create_users_table.js
| | └─ 002_create_categories_table.js
| | └─ 003_create_articles_table.js
| | └─ 004_create_subscriptions_table.js
| | └─ 005_create_payments_table.js
| | └─ 006_create_comments_table.js
| | └─ 007_create_notifications_table.js
| | └─ 008_create_ai_generations_table.js
| └─ seeders/
| | └─ 001_seed_categories.js
| | └─ 002_seed_admin_user.js
| | └─ 003_seed_sample_articles.js
| └─ tests/
| | └─ unit/
| | | └─ controllers/
| | | └─ services/
| | | └─ utils/
| | └─ integration/
| | | └─ auth.test.js
| | | └─ articles.test.js
| | | └─ payments.test.js
| | └─ fixtures/
| | | └─ users.json
| | | └─ articles.json
| └─ app.js
└─ uploads/
  └─ images/
  └─ documents/
  └─ temp/
└─ logs/
  └─ access.log
  └─ error.log
  └─ app.log
└─ package.json
└─ package-lock.json
```

- └─ .env
- └─ .env.example
- └─ .gitignore
- └─ Dockerfile
- └─ docker-compose.yml
- └─ README.md

Database Structure

```
database/
└─ schemas/
    │   └─ users.sql
    │   └─ articles.sql
    │   └─ categories.sql
    │   └─ subscriptions.sql
    │   └─ payments.sql
    │   └─ comments.sql
    │   └─ notifications.sql
    │   └─ ai_generations.sql
└─ migrations/
    │   └─ V1__Initial_schema.sql
    │   └─ V2__Add_indexes.sql
    │   └─ V3__Add_constraints.sql
    │   └─ V4__Add_triggers.sql
└─ seeds/
    │   └─ categories.sql
    │   └─ admin_user.sql
    │   └─ sample_data.sql
└─ backup/
    │   └─ daily/
    │   └─ weekly/
    │   └─ monthly/
```

Infrastructure & Deployment

```
infrastructure/
└─ nginx/
    │   └─ nginx.conf
    │   └─ sites-available/
    │       └─ news-marketplace.conf
```

```
|   └─ ssl/
|       └─ certificate.crt
|       └─ private.key
└─ docker/
    └─ Dockerfile.frontend
    └─ Dockerfile.backend
    └─ docker-compose.production.yml
└─ scripts/
    └─ deploy.sh
    └─ backup.sh
    └─ restore.sh
    └─ setup.sh
└─ monitoring/
    └─ prometheus.yml
    └─ grafana/
        └─ dashboards/
    └─ alerts/
└─ ssl/
    └─ generate-cert.sh
    └─ renew-cert.sh
```

Configuration Files

```
config/
└─ development/
    └─ .env.development
    └─ database.json
    └─ redis.conf
└─ staging/
    └─ .env.staging
    └─ database.json
    └─ redis.conf
└─ production/
    └─ .env.production
    └─ database.json
    └─ redis.conf
└─ shared/
    └─ constants.js
    └─ validation-schemas.js
```

Documentation

docs/

- └─ api/
 - └─ authentication.md
 - └─ articles.md
 - └─ users.md
 - └─ payments.md
 - └─ admin.md
- └─ deployment/
 - └─ server-setup.md
 - └─ ssl-configuration.md
 - └─ monitoring.md
- └─ development/
 - └─ getting-started.md
 - └─ coding-standards.md
 - └─ testing.md
- └─ user-guides/
 - └─ writer-guide.md
 - └─ reader-guide.md
 - └─ admin-guide.md