Message Board — Project Documentation

Project title

Message Board — Django-based simple message board with modern UI, authentication, and AJAX editing.

Short summary

A lightweight Django application that lets users sign up, log in, create short text posts, edit and delete their own posts, and view posts from others. The UI uses Bootstrap 5 and Bootstrap Icons; create/edit/delete are enhanced with AJAX and Bootstrap modals for a smooth UX.

Key features

Sign up and login; create/edit/delete posts with per-user permissions; paginated timeline; human-friendly timestamps; AJAX interactions (create/edit/delete); Bootstrap-based responsive UI; admin integration; unit tests for core flows.

Architecture & files

Django (MVT) app with main components: 'posts' app containing models, views, forms, templates, static assets, and tests. Key files: manage.py, mb_project/settings.py, posts/models.py, posts/views.py, posts/forms.py, posts/urls.py, templates/, static/js/main.js, static/css/style.css.

Local run & tests

Create venv, install requirements, run migrations, create superuser, then runserver. Tests are executed via 'python manage.py test' and use a temporary test database to verify behavior without touching the development DB.

Notes & next steps

For production: set a secure SECRET_KEY, DEBUG=False, proper ALLOWED_HOSTS, configure static files and HTTPS. Optional enhancements: avatar uploads, Markdown support, real-time updates with Channels, moderation tools.