Local Community Board System

The goal of the project is to provide a simple and convenient way to create, browse and manage local announcements for a **city, district, street or even a single building**.

Roles:

Role	Description
Guest	A user who is not logged in. Can view public announcements, sign up and log in.
User	Can create, edit and delete their own announcements, view announcements, react to them, leave comments, manage their own account.
Admin	Has all user permissions. Additionally, can moderate content (edit/delete inappropriate announcements and comments), block/unblock users, and view user information.

Announcement Management System:

№	Role	Use case	Description
1	User/ Guest	View announcements	Browse announcements filtered by category, location, or date.
2		Edit announcement	Edit the title, text, or category of their announcement.
3		Delete announcement	Remove their announcement from the system.
4	User	Create announcements	Add a new announcement with a title, text, category, and optional attachments (images, links).
5		React to announcement	Add a like/dislike reaction.
6		Comment announcement	Write a comment under an announcement.
7	Admin	Moderate announcements	Edit or delete inappropriate announcements.
8		Moderate comments	Edit or delete inappropriate comments.

Account Management System:

№	Role	Use case	Description
1	Guest	Sign up	Register in the system.
2		Log in	Log in to the system.
3	User/ Admin	Log out	Log out of the system.
4		Manage account	Edit profile, change password, delete account.

User Management System:

№	Role	Use case	Description
1	Admin	View users	View the list of users, their activity, and announcements.
2		Block user	Restrict access to a user.
3		Unblock user	Restore access to a user.
4		Manage user's account	Edit personal information.

Use case Diagrams:

Account Management System

- Enter password
- Enter name
- Sign up error
- «include»
- «include»
- «extend»
- Sign up
- Enter phone number
- «include»
- «include»
- Enter email
- Enter password
- «include»
- Enter email/number
- «include»
- Log in
- «extend»
- Log in error

Announcement Management System

- Subject
- View
- Other users

Guest

Account Management System

- Change name
- Change phone number
- «extend»
- «extend»
- Manage account
- Change password
- «extend»
- Log out

User

Announcement Management System

- Create
- Edit
- Delete
- React to
- Comment
- Enter description
- Enter title
- Add photo
- «extend»
- «extend»
- «extend»
- Set category
- «extend»
- «extend»
- Subject
- View
- Other users

Account Management System

Change name

Change phone number

«extend»

«extend»

Manage account

Change password ←«extend»

Log out

Admin

Announcement Management System

Enter description

Enter title

Add photo

Create

Edit

«extend»

«extend»

«extend»

Set category

Subject

«extend»

Delete

View

Other users

Moderate comments

Moderate Announcement

View User

Block User

Unblock User

User Management System