

BRAGBOARD: INTERNAL EMPLOYEE RECOGNITION WALL

A platform to promote workplace appreciation
and engagement

PROJECT OVERVIEW

- Internal recognition system for employees
- Employees appreciate colleagues using shout-outs
- Encourages positive workplace culture
- Admins monitor engagement and content

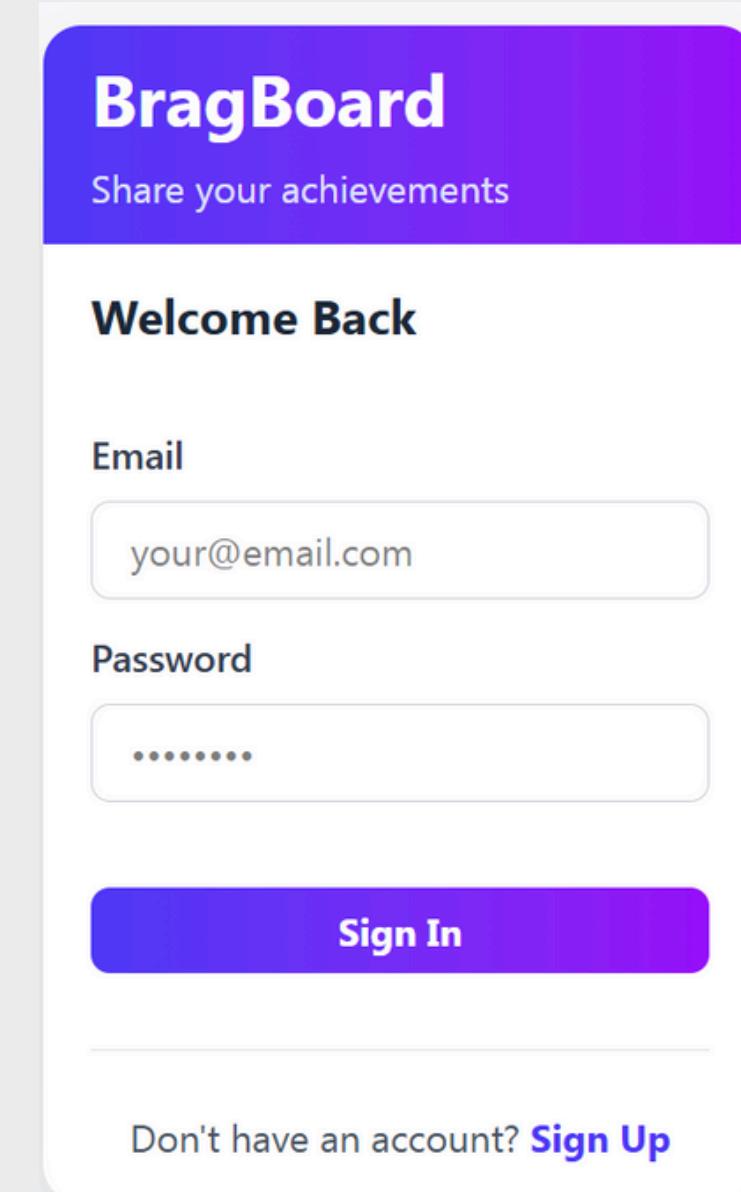
PROBLEM STATEMENT

- No centralized employee recognition system
- Appreciation happens informally or is ignored
- Low employee engagement and motivation
- No tracking or moderation of recognition

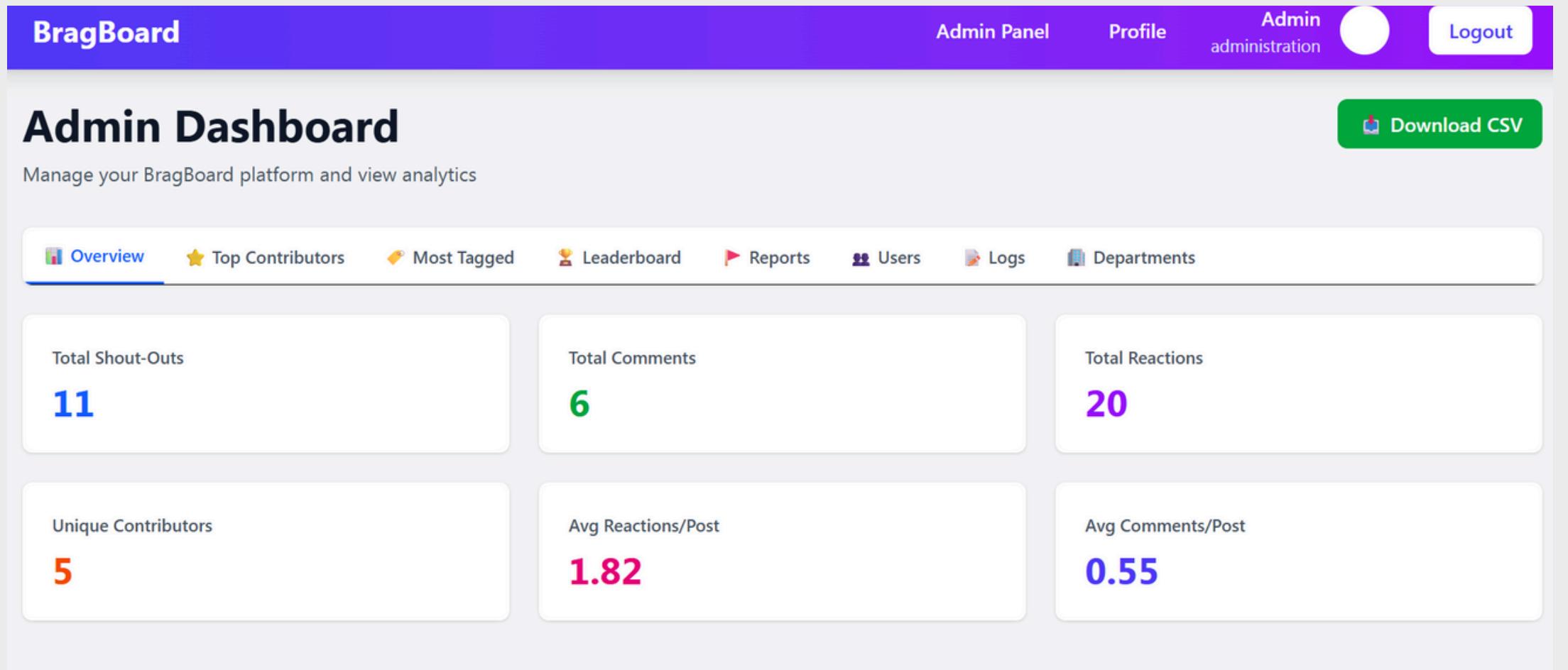
PROPOSED SOLUTION

BragBoard provides a centralized recognition wall where:

- Employees can post shout-outs appreciating teammates.
- Multiple recipients can be tagged in a single shout-out.
- Colleagues can react using predefined reactions (like, clap, star).
- Users can comment on shout-outs to encourage discussion.
- Admins can monitor activity, delete inappropriate content, and generate reports.
- All recognition activity is visible company-wide, improving transparency.



KEY FEATURES



- Employee shout-out creation and sharing
- Multi-user tagging system
- Reactions (like, clap, star)
- Commenting system for interaction
- Admin dashboard for moderation and insights
- Secure authentication and role-based access

TECHNOLOGY STACK

Frontend

- React.js – Used to build the user interface
- Tailwind CSS – Used for styling and responsive design

Backend

- FastAPI (Python) – Used to create REST APIs and handle business logic

Database

- PostgreSQL – Used to store users, shout-outs, comments, and reactions

TECHNOLOGY STACK

- Authentication & Security: JWT (JSON Web Tokens) – secure authentication using access and refresh tokens
- API Documentation: Swagger UI – interactive API testing and documentation

SYSTEM ARCHITECTURE

- Frontend communicates with backend using REST APIs.
- FastAPI handles authentication, business logic, and validations.
- PostgreSQL stores users, shout-outs, comments, reactions, and logs.
- JWT secures API requests and enforces role-based access.
- Admin actions are logged for accountability

MODULES BREAKDOWN

- User Management & Authentication Module
- Shout-Out Creation & Feed Module
- Reactions & Comments Module
- Admin Moderation & Analytics Module

MODULES BREAKDOWN

BragBoard

Admin Panel Profile Admin administration Logout

View Feed

Post Shout-Out

My Profile

Departments

- HR (2)
- IT (6)
- Sales (3)
- Technical (5)
- administration (1)

Shout-Out

Admin ID: 1
administration 3d ago

Hello everyone, I hope everyone is doing great in their own department. So keep giving each other shoutouts and keep the working spirit on.

Shout-out to: @Admin

0 0 0 0

Heart Thumbs Up Clap Comment

user12 ID: 13

This screenshot shows the BragBoard application interface. At the top, there's a purple header bar with the 'BragBoard' logo, 'Admin Panel', 'Profile', 'Admin administration', and 'Logout' buttons. Below the header is a sidebar on the left containing links for 'View Feed', 'Post Shout-Out', 'My Profile', and a 'Departments' section listing HR (2), IT (6), Sales (3), Technical (5), and administration (1). The main content area displays a shout-out post from an admin user (ID: 1) made 3 days ago. The post text is: "Hello everyone, I hope everyone is doing great in their own department. So keep giving each other shoutouts and keep the working spirit on.". Below the text are two emojis: a cool face and a duck. A 'Shout-out to:' field contains the handle '@Admin'. At the bottom of the post are three engagement icons: Heart, Thumbs Up, and Clap, each with a count of 0. There's also a Comment icon. At the very bottom of the post is another user profile for 'user12' (ID: 13).

Admin		
POST	/admin/{shoutout_id}/delete	Delete Shoutout
POST	/admin/comments/{comment_id}/delete	Delete Comment Admin
POST	/admin/reports/create	Report Shoutout
GET	/admin/reports	Get Reports
DELETE	/admin/reports/{report_id}	Resolve Report
GET	/admin/analytics/metrics	Get Engagement Metrics
GET	/admin/analytics/top-contributors	Get Top Contributors
GET	/admin/analytics/most-tagged	Get Most Tagged Users
GET	/admin/analytics/department-stats	Get Department Stats
GET	/admin/logs	Get Admin Logs

ADMIN CAPABILITIES

The screenshot shows the BragBoard Admin Dashboard. At the top, there's a purple header bar with the 'BragBoard' logo, 'Admin Panel', 'Profile', 'Admin administration' (with a user icon), and 'Logout'. Below the header is a green button labeled 'Download CSV'. The main area is titled 'Admin Dashboard' and has a sub-instruction 'Manage your BragBoard platform and view analytics'. A navigation bar below the title includes links for 'Overview' (which is underlined in blue), 'Top Contributors', 'Most Tagged', 'Leaderboard', 'Reports', 'Users', 'Logs', and 'Departments'. The dashboard features six data cards arranged in a grid:

Total Shout-Outs	Total Comments	Total Reactions
11	6	20
Unique Contributors	Avg Reactions/Post	Avg Comments/Post
5	1.82	0.55

- View platform engagement statistics.
- Delete shout-outs, comments, and reactions.
- Monitor reported or flagged content.
- Generate downloadable reports (CSV/PDF).
- Track admin actions using audit logs.

FUTURE SCOPE

1. Add mobile app support for easier access
2. Send email or notification alerts for new shout-outs
3. Add reward points or badges for active users
4. Support file and image uploads in shout-outs
5. Add advanced search and filters for posts

CONCLUSION

- BragBoard provides a simple way to recognize employee efforts.
- It improves teamwork and creates a positive work culture.
- The system is easy to use, secure, and well-structured.
- Admin control ensures proper usage of the platform.
- Overall, the application helps in building employee motivation

RESULT



- Employees can easily share and receive appreciation.
- Engagement among employees is increased.
- Recognition becomes visible to everyone in the organization.
- Admin can monitor and manage all activities efficiently.
- The project successfully meets its objectives.

RESULT

Overview Top Contributors Most Tagged Leaderboard Reports Users Logs Departments

user1 ID: 2
HR
3d ago

See the magic, this is an amazing design by our hr.



Shout-out to:
@user2

3 0 0

User Management + Create New User

Name	Email	Department	Role	Joined	Actions
Admin	admin@example.com	administration	admin	16/01/2026	<button>Toggle Role</button> <button>Delete</button>
user2	user2@example.com	HR	employee	16/01/2026	<button>Toggle Role</button> <button>Delete</button>
user3	user3@example.com	IT	employee	16/01/2026	<button>Toggle Role</button> <button>Delete</button>
user4	user4@example.com	IT	employee	16/01/2026	<button>Toggle Role</button> <button>Delete</button>
user5	user5@example.com	IT	employee	16/01/2026	<button>Toggle Role</button> <button>Delete</button>
user6	user6@example.com	IT	employee	16/01/2026	<button>Toggle Role</button> <button>Delete</button>

RESULT



user12 ID: 13

Technical
3d ago

Well done my tech team!!

Shout-out to:
[@user9](#) [@user10](#)

HR					
Users	Sent	Received	Comments	Reactions	
2	5	1	0	1	
Technical					
Users	Sent	Received	Comments	Reactions	
5	4	10	3	10	
IT					
Users	Sent	Received	Comments	Reactions	
6	1	13	0	0	
administration					

TEAM MEMBERS

1. Lavanya Jain
2. Adil Khan
3. Pravalika Konduru
4. Sathvika Tadi

PRESENTATION VIDEO

Q N A

THANK YOU