



# BotBlocker

Your Voice Matters. Don't Let AI Drown It Out

**Checkpoint 2**

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# PROJECT OVERVIEW



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**BotBlocker** is a browser extension and website  
that uses community intelligence to identify and  
block automated social media profiles.

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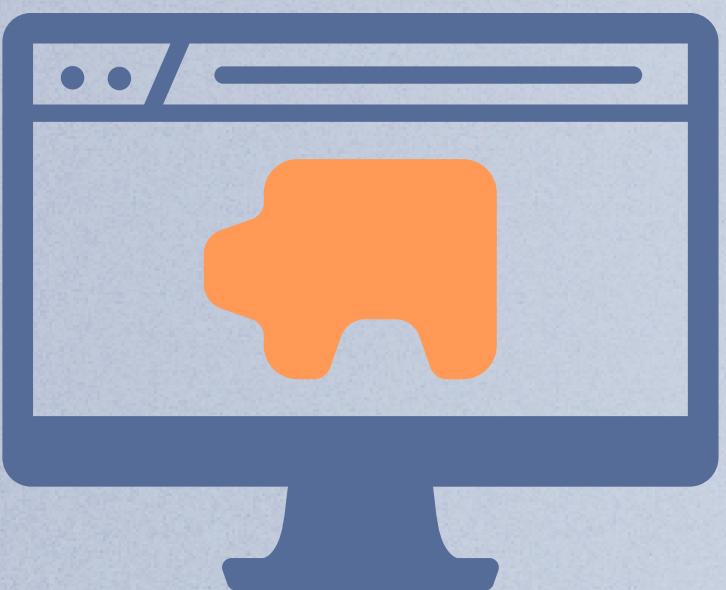
- 01      **Introduction**
- 02      **Previously Implemented Functionalities**
- 03      **Newly Implemented Functionalities**
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# INTRODUCTION



## AI Bots

Manipulating engagement  
and spreading  
misinformation.



## Website + Extension

Detect and block interactions  
with AI profiles.



## Detection and Blocking

Identifying AI-driven  
accounts for transparency.

# PREVIOUSLY IMPLEMENTED FUNCTIONALITIES

← Back 

## Create Account

Username  
udo3

Email

Create Password

Confirm Password

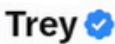
Sign Up 

✓ Authenticated User

You are currently logged in to your account.

Already have an account? [Log In](#)

Back to Home  Logout

Trey  129.3K posts

Search



Trey  BLOCKED BotBlocker

@UTDTrey

Fan Account || If my tweets piss you off, I'm not sorry because I speak the truth. Business- DMs || 18+|| @TheHQQ

Somewhere

996 Following 1.3i

Not followed by anyone

Following

You might also like

NASA @NASA

Tesla @Tesla

BBC BREAKING NEWS @BBC

Visit our website for more details on this account.

Is this profile AI?

Yes No

What's happening

You are currently logged in

← Back 

## Blocking Settings

At what percentage do you want accounts to start getting blocked?

0%  100%

Block accounts verified such as:

 AI

 Without verification

Save Changes

## Your Blacklist

X account @BBCWorld 

X account @UTDTrey 

Why do you think this profile is AI?

Inconsistency

Unnatural posting patterns

Lacking quality and uniqueness

Lack of engagement

Other

Submit

✓ You are currently logged in

Logout

# PREVIOUSLY IMPLEMENTED FUNCTIONALITIES

The screenshot shows the AI analysis results for the profile @elonmusk. The main result is a large box stating "50.00% chance of being AI" with "(2 votes)" below it. A note says "The status of this account is unknown." Below this, there's a section titled "Latest evaluations" showing two entries: "ugo2" (Considered this profile a human. On 07/04/2025 · 18:19) and "ugo1" (Considered this profile a bot. On 07/04/2025 · 18:18). The interface includes a navigation bar with "HOME", "UNDERSTAND BOTS", and "CONTACT" buttons.

The screenshot shows the "Contact Us" page. It has a form for users to fill out with fields for "Location" (Aveiro, Portugal), "Email" (infobotblocker@gmail.com), and "Subject". There's also a "Send Us a Message" section with a "Your Message" field. On the left, there's a "Support" section with an email address (support@botblocker.com) and a "Connect With Us" section. The top navigation bar includes "HOME", "UNDERSTAND BOTS", "CONTACT", and a "Login" button.

The screenshot shows the "Understanding Social Media Bots" page. It features a sub-section titled "How to Identify Social Media Bots" with a list of common signs like generic profile pictures and high posting frequency. Below this is a "Common Signs of Bot Accounts" section with a list of signs such as limited original content and repetitive language patterns. The top navigation bar includes "HOME", "UNDERSTAND BOTS", "CONTACT", and a "Logout" button.

The screenshot shows the AI analysis results for the profile @elonmusk. It includes a "Verify" button and a dropdown menu for "Change verification status" with options like "Remove Verification", "Verify as Human", and "Verify as Bot". The "Verify as Human" option is currently selected. The "Latest evaluations" section is identical to the first screenshot, showing "ugo2" as a human and "ugo1" as a bot. The top navigation bar includes "HOME", "UNDERSTAND BOTS", "CONTACT", "VERIFICATION DASHBOARD", and a "Logout" button.

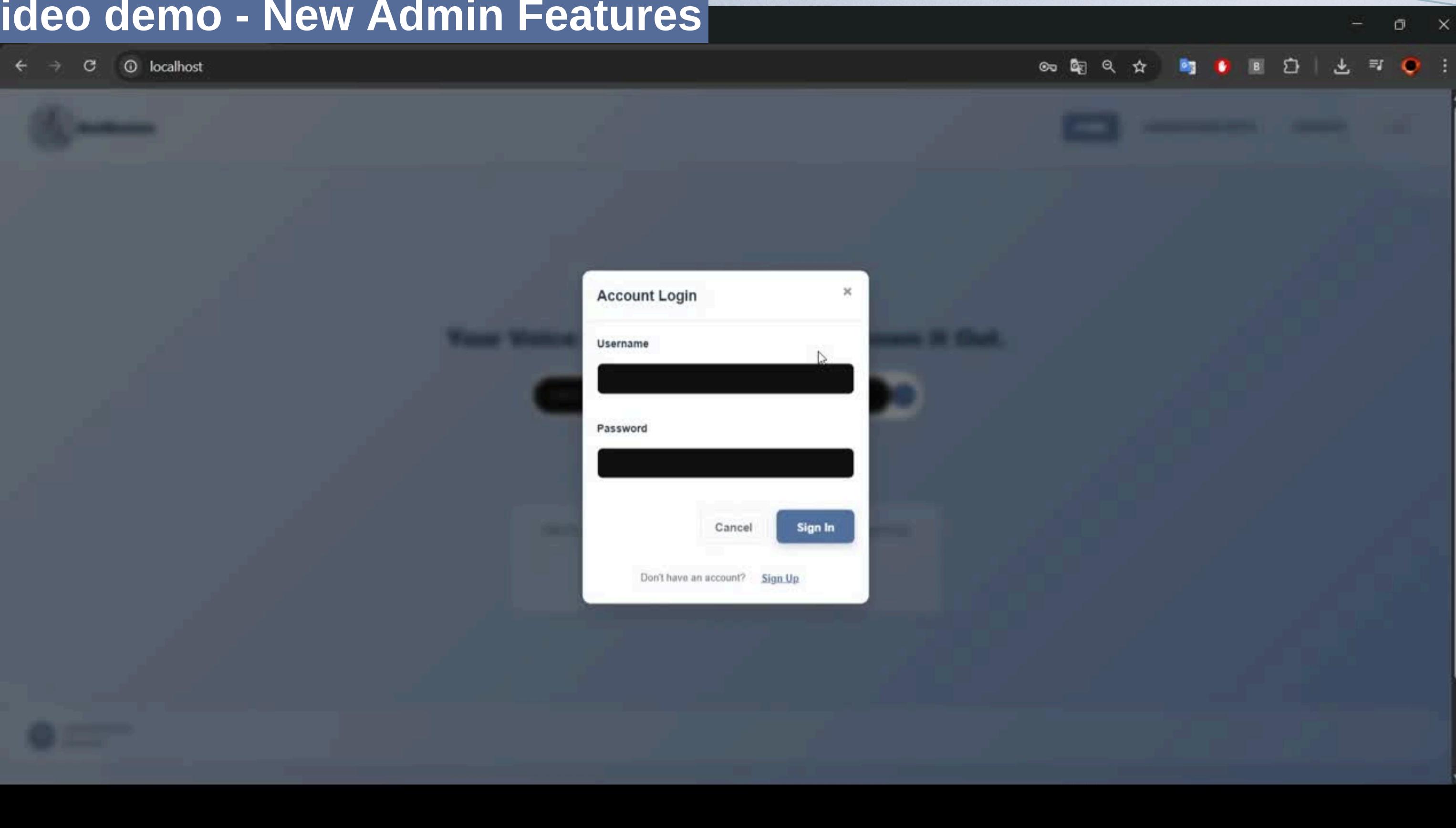
# NEWLY IMPLEMENTED FUNCTIONALITIES

## Video demo - Blocked accounts on your timeline

The screenshot shows the X (Twitter) mobile web interface. The top navigation bar includes back, forward, refresh, and search icons. The URL in the address bar is `x.com/home?lang=pt`. The sidebar on the left contains links for Home, Explore, Notifications (with 1 notification), Messages, Grok, Bookmarks, Communities, Premium, Verified Orgs, Profile, and More. A large 'Post' button is at the bottom of the sidebar. The main content area has tabs for 'For you' and 'Following'. A video thumbnail for 'Trey' (@UTDTrey) is shown, followed by a tweet from 'CAF\_Online' (@CAF\_Online) about the U-20 Africa Cup of Nations kick-off. To the right, there are sections for 'Subscribe to Premium', 'Who to follow' (listing Donald J. Trump, Assassin's Creed, and Cypher), and 'What's happening' (listing Fashion & beauty, #MetGala, Trending in Portugal, Bruna Gomes, Music, and Rihanna). A watermark for 'BotBlocker' (@BotBlockerPI) is at the bottom left, and a circular icon with a '0' is at the bottom right.

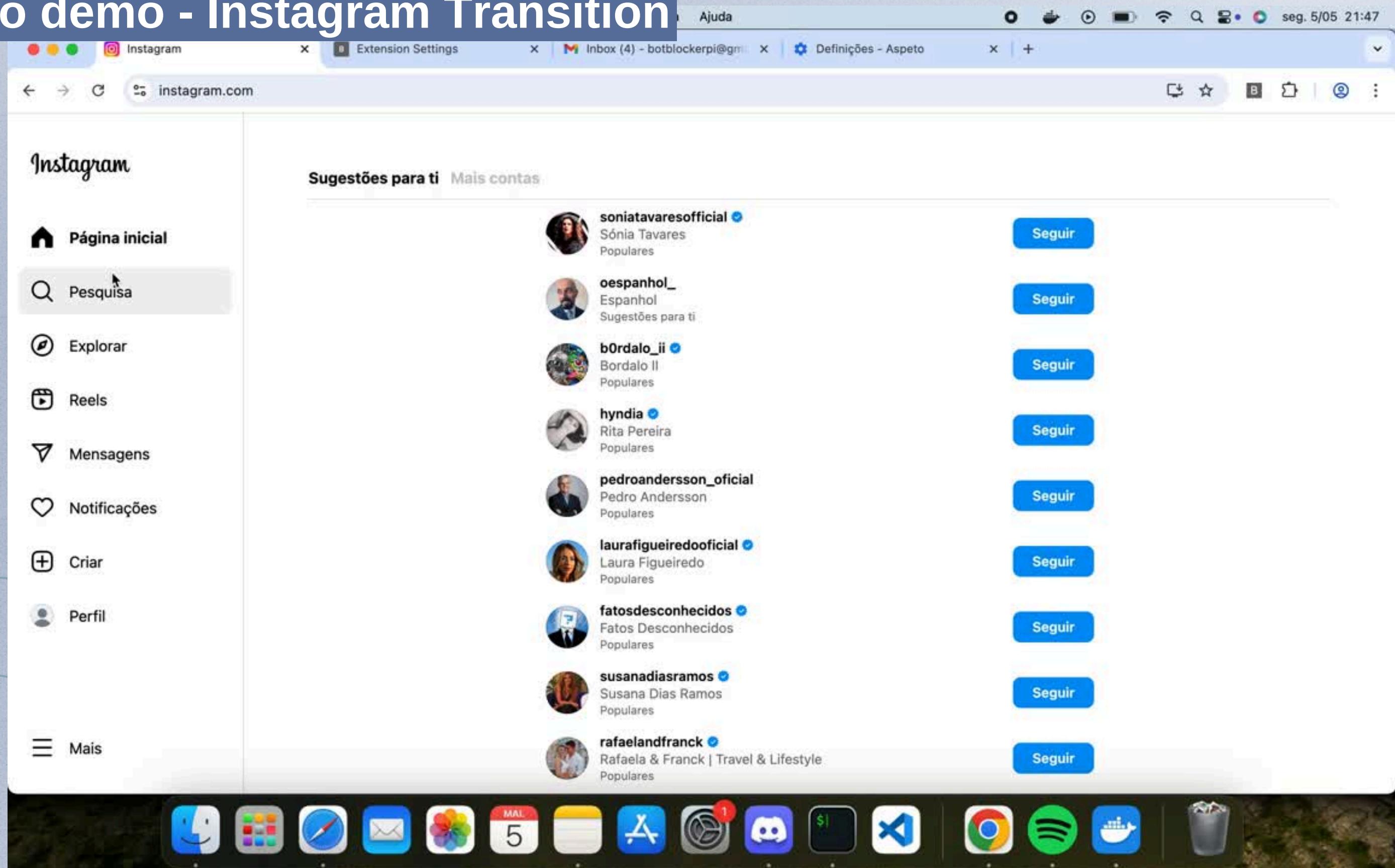
# NEWLY IMPLEMENTED FUNCTIONALITIES

## Video demo - New Admin Features



# NEWLY IMPLEMENTED FUNCTIONALITIES

## Video demo - Instagram Transition



# PROJECT CALENDAR

10/02 - 17/02	18/02 - 24/02	25/02 - 03/03	04/03 - 10/03
<p><b>Project Foundation &amp; Documentation Setup</b></p> <ul style="list-style-type: none"> <li>• Use Case Diagram (JC, JV, Â)</li> <li>• GitHub Repository Organization (H)</li> <li>• Setup Documentation Website (AR, H)</li> </ul>	<p><b>Project Planning and Framework</b></p> <ul style="list-style-type: none"> <li>• Project Calendar Creation (*)</li> <li>• Jira Project Setup (Â)</li> <li>• Project Presentation Preparation (*)</li> <li>• Definition of Context and State of the Art (JV)</li> <li>• High-Level Architecture Design (JC)</li> </ul>	<p><b>Requirements &amp; UX Design</b></p> <ul style="list-style-type: none"> <li>• Requirement Gathering (*)</li> <li>• Functional Requirements (JV)</li> <li>• Non-Functional Requirements (Â)</li> <li>• Define Personas and Scenarios (JC)</li> <li>• Develop the mockups (AR, H)</li> </ul>	<p><b>System Modeling</b></p> <ul style="list-style-type: none"> <li>• Refine the state of the art (JV)</li> <li>• Technological Model (*)</li> <li>• Define the Domain Model (JC)</li> <li>• Make the Deployment Diagram (JC)</li> <li>• Presentation (*)</li> </ul>
11/03 - 17/03	18/03 - 24/03	25/03 - 31/03	
<p><b>Extension Initiation and Database Setup</b></p> <ul style="list-style-type: none"> <li>• Dockerize the project (H)</li> <li>• Database Configuration and Setup (Â, JC)</li> <li>• Extension Initialization and Configuration (Â, JC)</li> <li>• Development of Extension Popup Frontend (AR)</li> <li>• Backend API Implementation for Popup Interaction (JV)</li> </ul>	<p><b>Interface Development &amp; API Integration</b></p> <ul style="list-style-type: none"> <li>• Development of the extension interface and the user website (JC, H)</li> <li>• Develop the frontend for the verifier interfaces (AR)</li> <li>• Continue Implementation of RESTful API (JV, Â)</li> </ul>	<p><b>Blocking &amp; Filtering System Development</b></p> <ul style="list-style-type: none"> <li>• Develop the block system (JC, H, JV)</li> <li>• Develop the filtering / blacklist management (AR, Â)</li> </ul>	

# PROJECT CALENDAR

01/04 - 07/04	08/04 - 14/04	15/04 - 21/04	22/04 - 05/05
<b>Presentation and refinement</b> <ul style="list-style-type: none"><li>• Presentation (*)</li></ul>	<b>Continue developing the block and blacklist management system</b>	<b>Finalize the block and blacklist management</b>	<b>Admin Interface &amp; API Enhancement</b> <ul style="list-style-type: none"><li>• Develop the frontend of the admin interface</li><li>• Continue Implementation of RESTful API</li></ul>
06/05 - 19/05		20/05 - 26/05	
<b>Improving upon the filtering techniques</b>		<b>Demo + poster for students@deti &amp; video</b> <ul style="list-style-type: none"><li>• Poster</li><li>• Video</li><li>• Demo</li><li>• Finish technical report (*)</li></ul>	
		<b>Final presentation</b> <ul style="list-style-type: none"><li>• Work on presentation (*)</li></ul>	

# Thank you!

<https://botblocker-pi.github.io/Documentation/>



The image displays two screenshots of the BotSentinel Documentation website. The top screenshot shows the homepage with a blue header featuring the text "Your Voice Matters. Don't Let AI Drown It Out" and a subtext about taking control of online spaces. It includes a cartoon robot icon. The bottom screenshot shows the "Milestones" section, listing four phases: MS1 - Inception Phase, MS2 - Elaboration Phase, MS3 - Construction, and MS4 - Transition. Each phase is represented by a card with a small icon and a link. Below the milestones, there are three cards: "Trust the Internet Again" (with a shield icon), "Community-Based Ratings" (with a people icon), and "Flexible Blacklist Control" (with a list icon). A small illustration at the bottom shows a person interacting with a robot at a desk. The bottom right corner of the screenshot has a "Project Description »" link.