

Habitbeat: Body Doubling Platform

Product Requirements Document

Product Overview

Habitbeat is a social productivity platform that brings the power of body doubling to virtual spaces. Body doubling - working alongside another person to boost focus and accountability - has helped countless people with ADHD, procrastination, and motivation challenges achieve their goals. Habitbeat makes this practice accessible anytime, anywhere through "Hives" - intimate two-person partnerships where members meet for scheduled video sessions to work on their personal and professional goals together.

Here's how it works: After signing up, users create a Hive profile describing what they want to work on, their preferred session times, and their communication style. They can then browse a discovery dashboard showing others with matching schedules and similar goals, or invite a friend directly. Once two people connect and confirm their interest, a Hive is born. The partners meet regularly in focused video sessions - sharing goals at the start, working silently alongside each other, and celebrating wins at the end. Between sessions, they stay connected through permanent Hive chat and can adjust schedules as needed. The platform tracks streaks and provides insights to help partnerships thrive, while features like temporary guest sessions and easy rescheduling keep the experience flexible and sustainable for the long term.

Techstack

Frontend: React

Backend: Springboot and Node

Database: PostgreSQL

Other: Redis and RabbitMQ

1. Onboarding & Authentication

Landing Page

Users learn about how the application works Options to navigate to login or registration page

Registration Options

- Email

- Mobile number with verification
- Google OAuth integration
- Password requirements: 8+ characters with secure validation

Initial Setup Flow

Basic Account Information

- Username creation (unique, 3-20 characters)
- First name and last name
- Birthdate

Timezone Setup

- Auto-detection with manual override option

Profile Information (Optional - Can Skip)

- Occupation - Job title/field
- About section - Brief bio

Create First Hive (Optional - Can Skip)

- Users can create their first Hive profile or skip this step

Welcome Communication

- Welcome email sent to user after initial setup

2. User Profile System

User Profile Components

Profile Photo

- Optional avatar upload

One Line That Defines You/ What inspire you the most.

- Personal expression/inspiration field

Username

- Public display name (first and last name)

Email

- Account management and notifications
- Cannot be edited after creation

Occupation

- Job title/field for better matching
- Optional to display on public profile

About/Bio

- Brief bio describing goals/interests
- Optional to display on public profile

Timezone

- Auto-detected location with manual adjustment
- Can be set as optional on public profile

Gender

- Can be set as optional on public profile

Country/Location

- Optional to display on public profile

Profile Editing

- Edit button at the top of profile page
- Opens form to edit all sections
- Cannot Edit: Username, Email ID
- Privacy Controls: Can make optional to appear on public profile (gender)
- Submit button to save changes

Public Profile View

- Basic information (username, occupation, about, location(continent and country))
- Total Sessions - Lifetime participation count (if set to public)
- Personal best streak and current streak
- Looking for Hive Status - Shows when user is actively seeking a hive

3. Hive Profile (Activity-Specific Profiles)

Users can create multiple Hive profiles for different activities.

What You'll Be Doing in This Hive?

Text field for user to share what they are planning to do during in this hive

Session Timings

Duration Options:

- 50 minutes
- 25 minutes

Available Time Slots:

- Multiple time blocks in UTC slots (user will see in their own timeline)

Heads Up for the Partner/Expectations

Text field for user to share expectations or notes for potential partners

Hive Creation Options

After completing Hive profile:

- Share this/Invite a friend - Get shareable link
- Browse - Search for potential partners

Post-Creation Flow

If "Browse" selected:

- Takes user to discovery dashboard
- Shows all people who have:
 - Selected same duration
 - Same overlapping timeslots
- Display includes:
 - User profile
 - What they're planning to do in that hive
 - Heads up/expectations
 - How many days ago they posted
- Can click on profile to see general information
- Can send hive request with personal message
- Recipient sees request in their messages with personal message
- Option to edit your own hive profile when browsing so discovery board will also modified accordingly

If "Invite a friend" selected:

- Pop-up appears: "We will create the hive once your partner confirms the hive request."
- User redirected to dashboard

5. Main Dashboard

Navigation & Key Actions

- Go to Profile
- Notification section (shows number badge)
- Create new hive button
- Go to Settings
- Invite someone (help someone get more disciplined)
- Upgrade (for free users)

Statistics Display

Filter Options:

- Dropdown to filter stats by:
 - General (all hives)
 - Particular hive (select specific hive)

Stats Displayed:

- Total sessions completed
- Current streak
- Personal best streak (with share button for social media)

Toggle Views

Three toggle options to switch between:

- Active Hives
- Archived Hives
- Hive Requests

Active Hive Cards

Display Information:

- Name of the hive (Editable)
- Profile photo of the hive (Editable)

- Hive partner name (clickable - opens partner's public profile and then in that profile you can snooze, block or report the user)
- Time
- Your next session date and time
- Your last three attendance overview
- Chat button (opens permanent hive chat - when partner sends message, email notification sent to other hive member)
- Join button (appears if session is within next 10 minutes)

Card Behavior:

- Displayed in ascending order (latest to oldest time to join)
- After completing a session with multiple sessions scheduled, card moves to last position with animation

Hive Card Actions (Three-Dot Menu)

Done with the Hive

- With confirmation

Create Another Hive Session for This Hive

- User asked to set time block (can be multiple now)
- Hit request
- Other user gets notification
- If accepted, those hive sessions will be created in same hive

Time Changing Request

- Opens time slot selection interface
- Select new time slot
- Can check box that says "only for the next hive"
- Hit request button
- Acknowledgment: "Request has been sent"
- Other person sees notification with options to Accept or Reject
- If accepted: Hive rescheduled, both users notified
- If rejected: Request user notified of rejection
- If accepted: User receives "Your request has been accepted" + "Hive timing has changed for this hive"

Turn Off Third Person Joining

- Toggle on/off
- Default: ON

Turn Off Auto mic off after 10 mins of session start

- Toggle on/off
- Default: ON

Archived Hives

- View past/completed hives
- Record-keeping of previous partnerships

Hive Requests Section

Display:

- All hive creation requests you've made
- All details entered while creating each hive

Actions:

- Edit button to modify request details
- Option of invite a friend or browse

Match Confirmation (in Notification Section)

When your request has been accepted for your hive request or you accept a hive request:

- Email and notification sent that your hive is created
- Notification appears in dashboard notification section

Help and Resources

- Email support
- Give your valuable feedback (Help us improve)
- Report a bug
- Test Audio and Video
- Community guidelines
- Terms and privacy policies
- Survey

6. Notification System

Notification Section

- All activity notifications with actionable items

- Number badge visible from dashboard

Notification types include:

- Hive requests
- Hive acceptance
- Match confirmations
- Time change requests
- Partner departure (when hive partner leaves, notification: "Your hive has ended because your partner had to leave")

7. Invite a Friend

Link Sharing

- User receives shareable link
- Can be shared via social media, email, etc.

For Existing Members

- Opens link and sees hive request
- Confirm button to create hive

For Non-Members

- Asked to create account first
- Same confirmation flow appears after account creation
- User will not be asked to create their own hive

Note: If user requests a hive with timing that conflicts with invited hive, user will not be able to accept - pop-up saying "It is overlapping with your [this] hive"

8. Session Experience

Technical Implementation

- WebRTC, mesh architecture
- STUN/TURN self-hosted

Session Features

Audio/Video Capabilities

- Video on/off toggle
- Audio on/off toggle (after session starts, audio muted until session ends - unmute attempt shows: "It's focus time, please use chat if it's urgent")
- Timer showing time remaining until session end
- Pop-up feature
- Different view options

Screen Sharing

- Screen sharing capability during sessions for accountability

Chat

- Simple chat interface
- Session-specific chat for task declarations
- Chat notification preferences (on, off, or when chat is closed)

Settings During Session

Audio and Video Section

- See your own face
- Change camera from dropdown
- Change microphone from dropdown
- Change speakers from dropdown
- Video quality options: Auto (default), High, Low

User Preferences

- Chat notification settings

Background Effects

- Strong blur
- Light blur
- Image background
- Custom image background

Display:

- Name of the other person
- Leave call button

Session Timeline

Pre-Session (10 Minutes Before)

- Users receive notification
- Calendar link that adds the session to user's calendar
- Automatic room creation
- Users can join up to 10 minutes early
- Cannot join after session starts

Session Start

- Members join the session room
- Each member shares their SMART goal for the session

During Session

- Focused work period
- Members work on stated goals

Session End

- Sound notification: "Time is up"
- Microphone can be unmuted

Share & Celebrate

- Members share honest experience
- Celebrate accomplishments together
- Maximum 10 minutes post-session time allowed
- Call automatically ends after 10 minutes

Session Scenarios

Both Users Don't Join

- Session canceled

One User Doesn't Join Present user is rematched to:

- Someone else whose partner didn't appear, OR
- Combined into any session with "third guest visit" turned on, as guest appearance

9. Analytics & Performance Tracking

Personal Performance Metrics

Filter Options:

- Dropdown to filter stats by:

- General (all hives)
- Particular hive (select specific hive)

Stats Displayed:

- Current Streak – Consecutive sessions attended
- Personal Best Streak – Longest attendance streak achieved (shareable on social media)
- Total Sessions – Lifetime participation count

Hive Performance Tracking

- Hive Total Sessions – Total sessions completed in this hive
- Perfect Sessions – Sessions where both members attended
- Perfect Hive Sessions Streak – Current streak of sessions with both members attending
- Perfect Hive Session Best Streak – Longest streak of perfect sessions achieved

10. Settings

Preferences

- Gender – Privacy controls for public display
- Timezone – Adjustment and privacy settings
- Language preferences – Communication language selection
- Notification preferences – Manage all notification types
- Privacy settings – Control what appears on public profile
- Audio/Video defaults – Default settings for sessions
- Celebration sound – Enable/disable (can be toggled off)

Account Management

- Upgrade account
- Log out

11. Payment

12. Additional Features

Calendar Integration

- Add hive sessions to user's calendar with reminders
- Automated calendar link generation upon hive creation

Social Features

- Snooze User – Temporarily hide a user from interactions
- Block User – Permanently prevent interaction with a user
- Report User – Report inappropriate behavior or harassment prevention
- Blocked or Snoozed People List – View and undo blocks or snoozes

Sharing & Progress

- Share your progress button (social media integration)
- Share personal best streaks
- Share achievements

Support & Help

- Email support
- Help section with FAQs
- Video tutorials
- Report a bug
- Test video/audio functionality
- Feedback form

Legal & Community

- Community guidelines
- Terms and privacy policies
- Survey participation
- Browser notification permission requests

