



My Best Mood - PER-ACTION COST BREAKDOWN

GPT-5 (OpenAI) - Text Generation

Action: Generate 1 Story (Medium Length)

- **Frequency:** 1 story/day (Source: platform.openai.com/docs/pricing)
- **Tokens:** ~6,732 tokens (5,079 input + 1,653 output)
- **Cost per story:** \$0.0114
- **Monthly cost:** \$0.342 (30 stories)

Action: Chat/Journal Entry

- Frequency: 10 chats/day
- Tokens: ~40 tokens (30 input + 10 output)
- **Monthly cost:** \$0.021

♦ **Total GPT-5 Monthly Cost: \$0.363/user**

♦ Leonardo AI - Image Generation

Action: Generate Story Images (8 per story)

- **Frequency:** 1 story/day = 8 images/day (Source: leonardo.ai/api)
- **Cost per image:** \$0.00392
- **Cost per story (8 images):** \$0.0314
- **Daily cost:** \$0.0314 (8 images)
- **Monthly cost:** \$0.941 (240 images)



Action: Generate Journal Image

- **Frequency:** 1 image/day
- **Cost per image:** \$0.00392
- **Monthly cost:** \$0.118 (30 images)

Action: Update Avatar

- **Frequency:** 1 image/month
- **Cost per avatar:** \$0.00392
- **Monthly cost:** \$0.00392

♦ **Total Leonardo AI Monthly Cost: \$1.063/user**

◆ AWS Infrastructure (S3, CloudFront, Lambda, API Gateway)

Action: Store Content (Stories + Images)

- **Storage per user:** ~245 MB/month
- **S3 cost:** \$0.0056/user/month

Action: Deliver Content via CDN

- **Data transfer:** ~245 MB/user/month
- **CloudFront cost:** \$0.021/user/month

Action: API Requests

- **Requests:** ~3,000 requests/user/month
- **API Gateway cost:** \$0.003/user/month

Action: Lambda Functions

- **Executions:** ~3,000 invocations/user/month
- **Lambda cost:** \$0.0031/user/month

♦ **Total AWS Monthly Cost: \$0.033/user**



Summary

◆ MongoDB Atlas (Database)

Action: Store User Data & Content

- **Storage:** ~10 MB/user (stories, journals, profile)
- **Operations:** ~5,000 reads + 500 writes/month
- **Cost:** \$0.003-0.015/user (scale-dependent)

◆ Total MongoDB Monthly Cost:

- **At 1,000 users:** \$0.012/user
- **At 5,000 users:** \$0.015/user
- **At 25,000 users:** \$0.006/user

📊 GRAND TOTAL - PER-USER MONTHLY COST

At 1,000 Users: \$1.408/user

GPT-5: \$0.363 | Leonardo: \$1.063 | AWS: \$0.033 | MongoDB: \$0.012

At 5,000 Users: \$1.411/user

GPT-5: \$0.363 | Leonardo: \$1.063 | AWS: \$0.033 | MongoDB: \$0.015

At 25,000 Users: \$1.405/user

GPT-5: \$0.363 | Leonardo: \$1.063 | AWS: \$0.033 | MongoDB: \$0.006



PRICING SOURCES (November 2025)

1. OpenAI GPT-5 API Pricing

Source: platform.openai.com/docs/pricing

Verified: November 2025

2. Leonardo AI API Pricing

Source: leonardo.ai/pricing & leonardo.ai/api

API Plan: \$49/month for 25,000 credits

3. AWS Services Pricing

Source: aws.amazon.com (S3, CloudFront, Lambda, API Gateway)

S3: \$0.023/GB, CloudFront: \$0.085/GB, Lambda: \$0.20/1M requests

4. MongoDB Atlas Pricing

Source: mongodb.com/pricing

Shared: \$9/mo, Dedicated M10: \$60/mo, Storage: \$0.30/GB-month