

# Smart Study Scheduler

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Introduction

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System  
Architecture

System Flow

Engagement  
Tracking

Test Results

Demo

# Introduction & Motivation

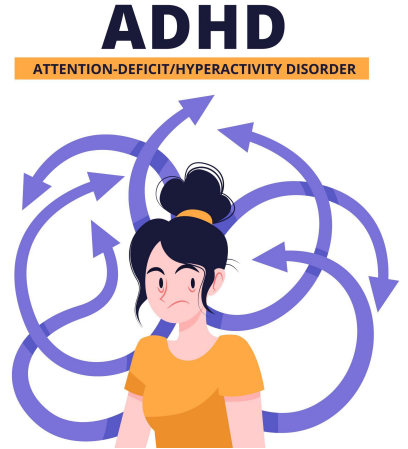
## Why Smart Study Scheduler?



Students struggle with keeping focus and balancing study time.

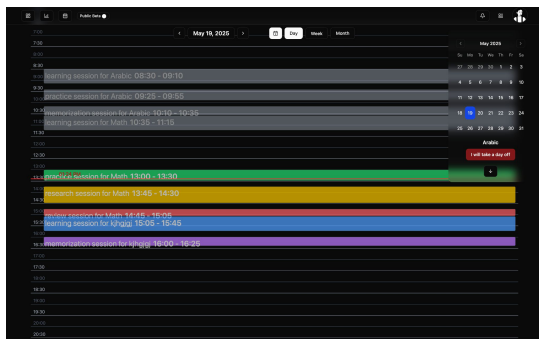
	Sun 8/28	Mon 8/29	Tue 8/30	Wed 8/31	Thu 9/1	Fri 9/2	Sat 9/3
GMT+08		Traveler validation	Book arrival and ticket	Last week of committee			
8am	8-8:15 Reflect about the week, plan for next	Fitness First	Fitness First	Fitness First	Fitness First		
9am	8:30-10:30 HALF - Publish Medium goal post	8:30-10:30 HALF - Finish writing Medium goal post	8:30-10:30 Write	8:30-10:30 Read agency pdf			9-11 Captain's Fire Alarm Test 13 Sep 2016
10am	10-11 Traveler new flow testing	10-11:30 DONE - Reply Alan, increase Google's	10-11:30 C.A. Inclusion & Unconscious Bias at Twitter - Singapore Workshop 2				
11am	11:30-1p Lunch One Raffles Place	11:30-1p Lunch One Raffles Place	11:30-1p DONE - Edit support and learning agency	11:30-1p DONE - Edit support and learning agency	11:30-1p Golden Shoe Salad for lunch	12p-1p Lunch at Paddy Hill and Swim at FF Paddy Hills	
12pm							
1pm		1p-2:30p DONE - Send invitation to Eric Jenkins, add agency slides, send	1p-2:30p DONE - Continue MVP draft	1p-2:30p DONE - Continue MVP draft	1p-2:30p DONE - Continue MVP draft		
2pm		2:30p-3:30p Meditate + Kor	2:30p-3:30p Meditate + Kor	2:30p-3:30p Meditate + Kor	2:30p-3:30p Meditate + Kor		
3pm		3p-4:30p DONE - Continue MVP draft	3p-4:30p DONE - Continue MVP draft	3p-4:30p DONE - Continue MVP draft	3p-4:30p DONE - Continue MVP draft		
4pm		4:30p-5p Huddle up: we	4:30p-5p Huddle up: we	4:30p-5p Huddle up: we	4:30p-5p Huddle up: we		
5pm		5p-6p Penny/Edric	5p-6p Penny/Edric	5p-6p Penny/Edric	5p-6p Penny/Edric		
6pm	6p-7p Workout + Laund	6p-7p Workout + Laund	6p-7p Workout + Laund	6p-7p Workout + Laund	6p-7p Workout + Laund		
7pm		7p-8p Plan for next week	7p-8p Plan for next week	7p-8p Plan for next week	7p-8p Plan for next week		
8pm	8p-9:30p Learn from Temerech's video	8p-9:30p Learn from Temerech's video	8p-9:30p Learn from Temerech's video	8p-9:30p Learn from Temerech's video	8p-9:30p Learn from Temerech's video		
9pm							

Regular planners don't consider how and when each person works best.

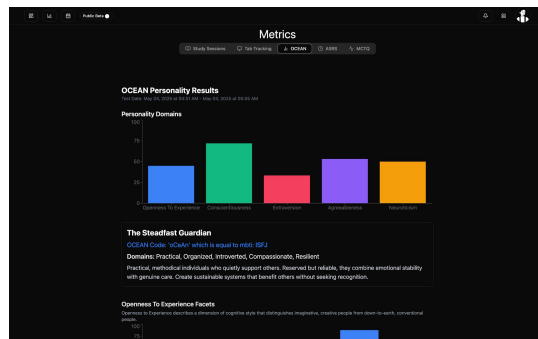


Especially tough for students with ADHD or different sleep cycles.

# Main Idea



Personalized Scheduler

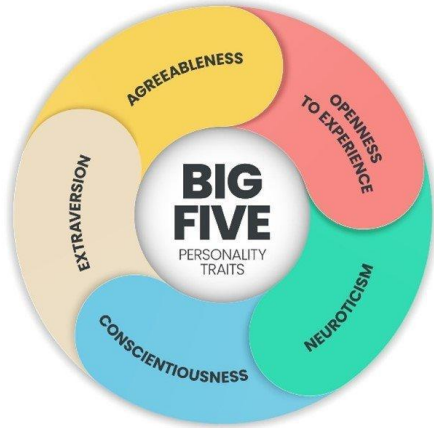


Personality Tests



Engagement tracking

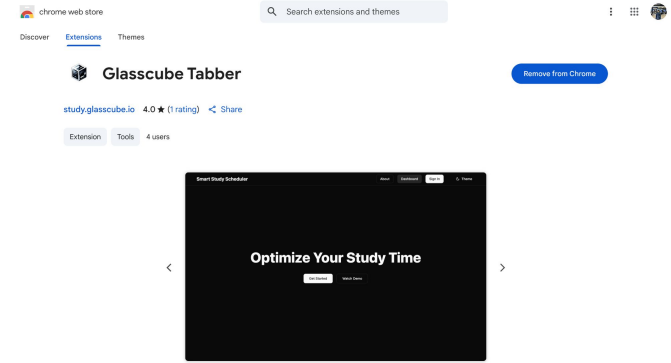
# Key Features



Big Five & ADHD Profiling

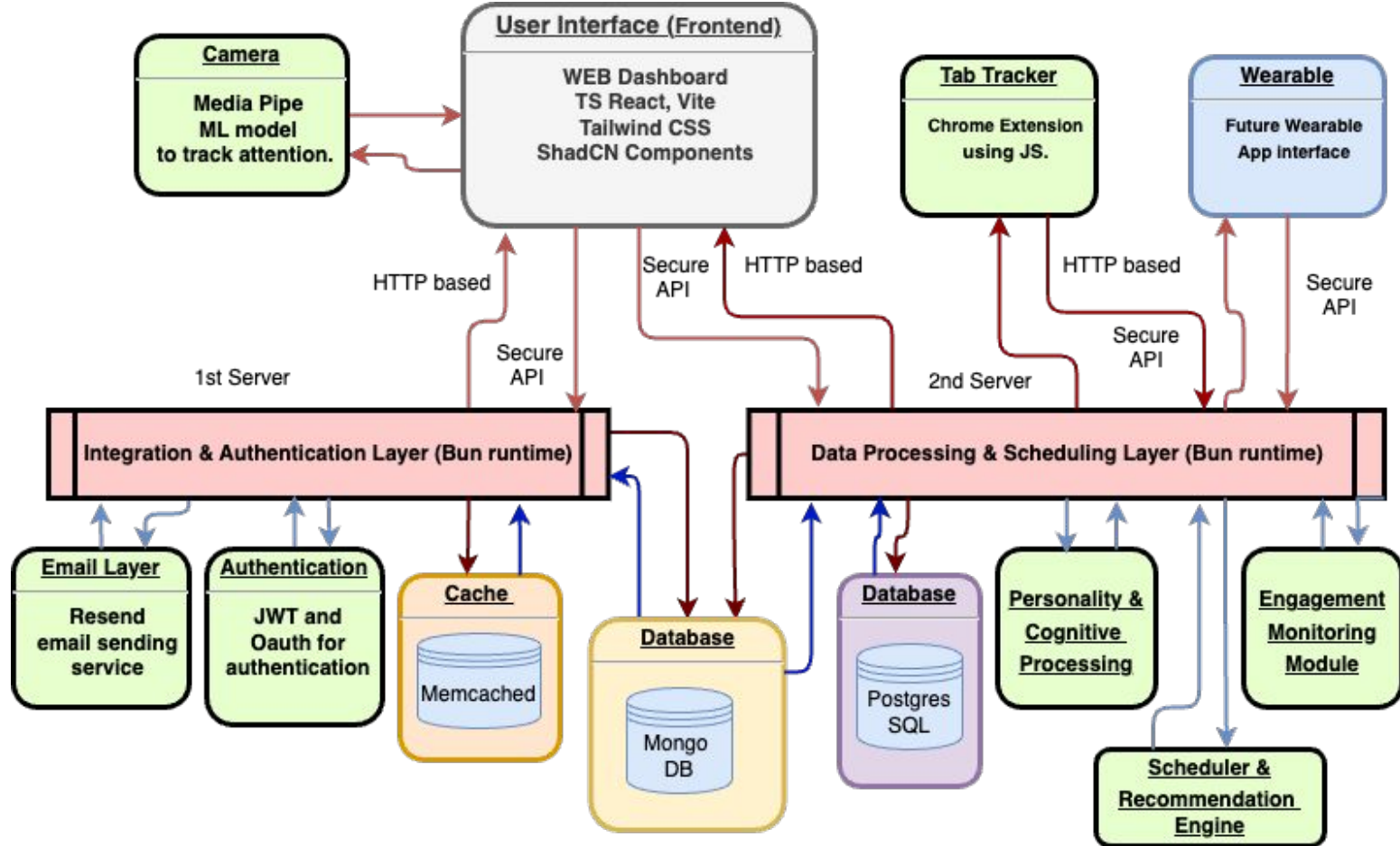


Chronotype-Based Timing



Browser tab Tracking

# The System Architecture



# The System Flow

Big Five test, ASRS  
adhd test, Chronotype  
test

Using Mediapipe Face  
Landmark detection  
model

Calendar Shows  
schedules and Users  
can see Metrics



Browser active Tab  
tracking

Learning about past  
schedules and logs  
and creating new ones

# Engagement Tracking

Mediapipe ML

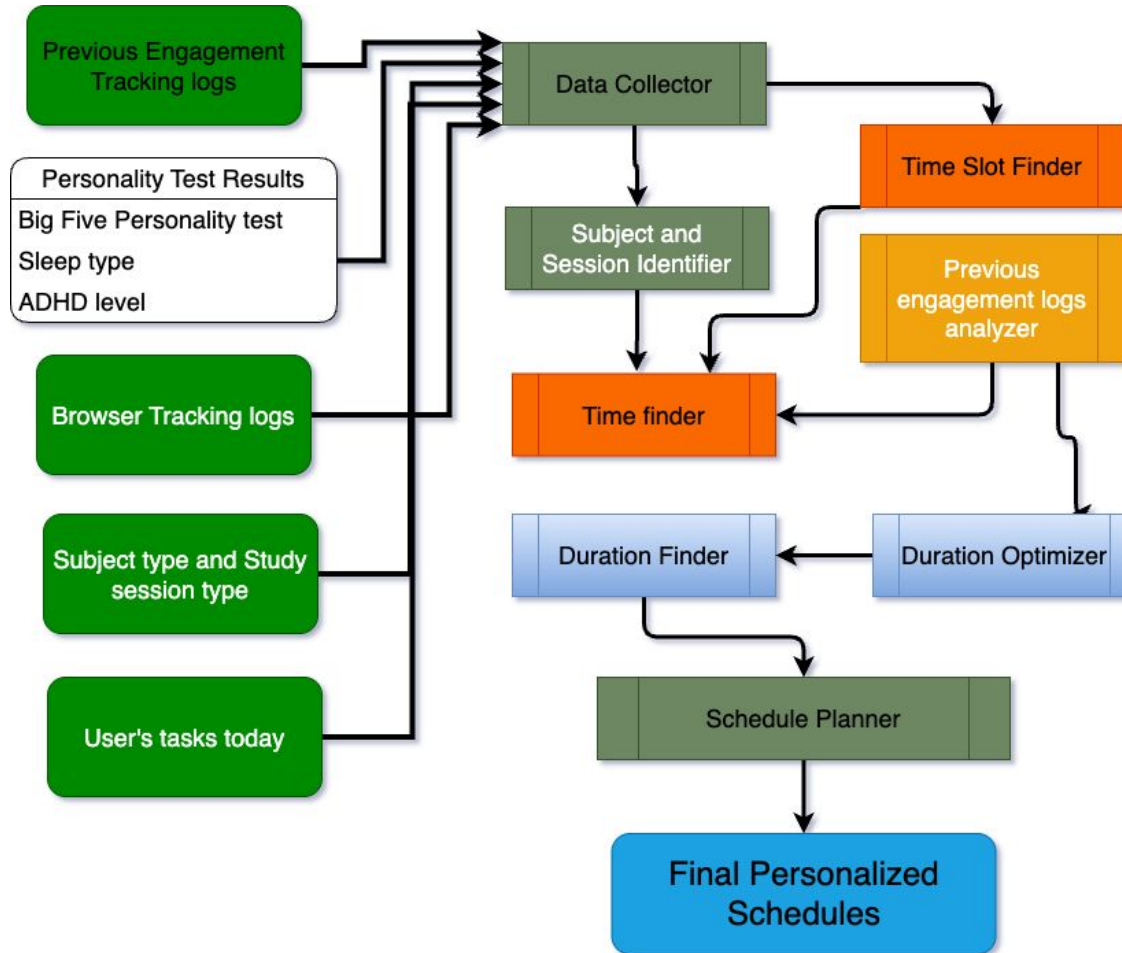
In Browser Supervisor

Data Privacy





# Scheduler Algorithm



# Test Results



20 participants

+25% Time-on-Task

+30% Satisfaction

Users Focused More. Liked It More.

## Future Work and Conclusion

- Integrate wearable devices (heart rate, etc.)
  - Improve face landmark detection accuracy
  - Add group/collaborative study planning
  - More privacy controls
  - Smart Study Scheduler is more than a calendar
  - It's a smart, adaptive system that studies *with* you
  - Personalization = better results, lower stress
-



Let's watch our Demo video

Thank you!

