

**MATMIE23**

# **DAILY CHALLENGE**

An Interactive Hub for Student Motivation

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## **WHAT PROBLEM DO WE SOLVE?**

- **Students lack motivation outside of classes.**
- **Unused potential of grids in the hall**

## **SOLUTION**

**Daily Challenge Hub = Interactive board/monitor with daily challenges**

- **Every day students will see new challenge of the day.**
- **Try to solve it if you are brave enough**



# GAMIFICATION

**Why students will love it**

- **Mini-ranking: top-5 weekly/monthly solvers.**
- **\*Thematic days: math, logic, algorithms.**
- **\*Push notifications: get the challenge on your phone.**
- **\* - ideas that might be added**

## TECHNICAL IMPLEMENTATION



**HARDWARE: MONITOR  
+ MINI-PC\*  
(RASPBERRY PI)**

**SOFTWARE: PYTHON/  
SMALL WEB SERVER.**



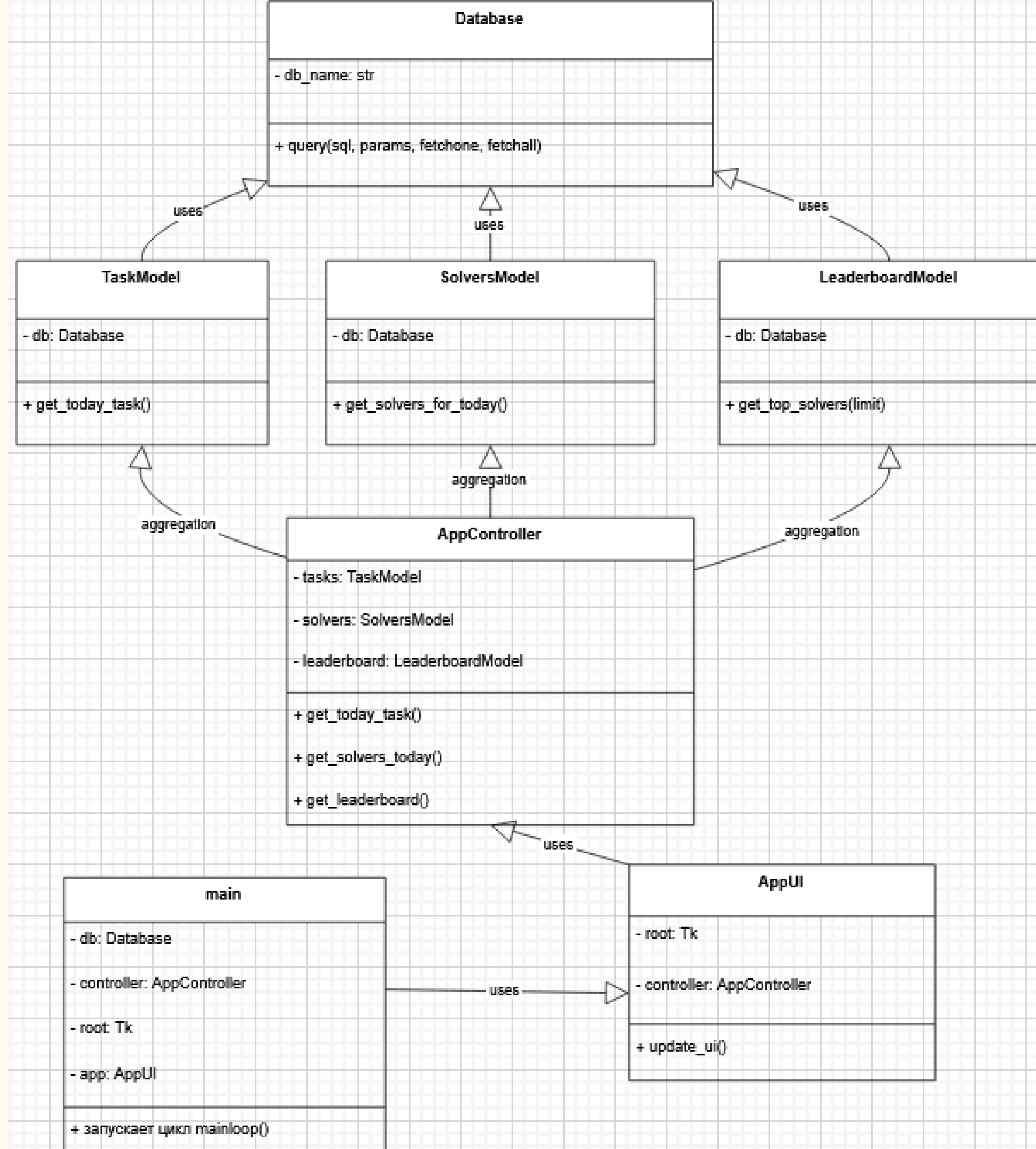
**INTERACTION: QR  
CODE → WEB PAGE FOR  
SOLVING  
TASKS/MONITOR YOUR  
RATING.**

## IMPLEMENTATION STEPS

- **Concept (done).**
- **Prototype: UI mockup + wiring scheme.**
- **Online demo: short video/animation.**
- **Campus testing.**



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**THANK YOU FOR YOUR ATTENTION!**

