# Homework Tracker for Children

Concept: A task management system designed for students to track homework and daily tasks. Parents can monitor progress, and students can gain access to games/pokemon cards for completing work on time.

## Key Features:

* User Authentication: Sign up/login for students & parents.
* Task Management: Add, edit, delete, and mark homework as complete.
* Due Date Tracking: Colour-coded deadlines (e.g. green = on time, red = overdue).
* Parent Dashboard: View child's progress and send reminders.
* API Integration: Fetch educational resources (e.g. Open Library API for book recommendations).
* Bonus Feature: Reward points for completed tasks
  + unlocking a game or theme customisation

## Users

* Teacher
* Parent
* Child

## User Relationships – One to Many

* Teacher has many child users, Child has one teacher
* Parent has many child users, Child has one parent

## Tech Breakdown:

* Frontend (React): Tick off Homework Task list, progress tracking.
* Backend (python):
* Backend (Django): Task management, user authentication, progress tracking.
* Database (PostgreSQL):
* Users (table)
* Daily Homework (table) has many Homework Task (table)

# Main Functions

* + Teachers can create and delete homework
  + Parents can view child progress – child’s daily homework progress
  + Child can update Homework List (tick off subjects when complete)

## How does this meet Assignment Criteria:

* CRUD operations
* Authentication
* External API – Game API or Pokemon API
* Deployment – Render and Github
* Responsive design – Bootstrap