

## Task for Melaverse Intern: Full Stack Web App Development

### Objective:

Create a full-stack web application that enables students to view educational videos, complete associated quizzes, and progress to subsequent lessons upon successfully passing each quiz. The application must integrate automated lesson reminders based on students' start dates and announce their achievements through a Telegram bot using provided chat IDs.

### Technical Requirements:

#### Frontend:

- Build a responsive user interface using Next.js.
- Embed educational videos securely from YouTube.
- Include interactive quizzes with immediate feedback after each completion.
- Restrict progression to the next lesson until the current quiz is passed.

#### Backend:

- Utilize the existing database table `wpos\_wpdatatable\_23`, which includes the fields: `wdt\_ID`, `name`, `passcode`, `phoneno`, `status`, `startdate`, and `chat\_id`.
- Authenticate students through their `passcode` and ensure their status is active.
- Record and manage students' progress data in the database.

#### Database Credentials (CONFIDENTIAL):

```
DB_CONFIG = {  
    "host": "63.176.185.170",  
    "port": 3306,  
    "user": "bn_wordpress",  
    "password":  
    "4c651298b3bf2c418684b88994c9de0cc9c2d0619679db7f7132e08  
    00504234c",  
    "database": "bitnami_wordpress"  
}
```

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#### Telegram Integration:

- Implement Telegram Bot API for sending automated reminders based on each student's `startdate`.
- Broadcast student achievements upon successful quiz completion using their respective `chat\_id`.

**Expected Outcomes:**

- Fully operational and user-friendly web application accessible to all students.
- Automated lesson reminders and achievement announcements delivered via Telegram.

**Deadline:**

Fully functional system to be completed within two weeks.

**Note:**

- Maintain strict confidentiality of database credentials at all times.
- Contact your manager or team promptly for any clarifications or support required.