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**BYJU’S**

### Problem Statement :

In the competitive test preparation industry, students often struggle with scattered resources, lack of motivation, and inconsistent progress tracking. Byju’s aims to solve these challenges by offering a centralized platform that provides structured mock tests, video lessons, study materials, and progress feedback. The goal is to create a user experience that not only helps students prepare effectively for exams like JEE, NEET, and UPSC, but also keeps them engaged and motivated through visual analytics and interactive learning tools.

### Tools & Technologies Used :

* HTML: Structured all core pages, including the landing page, test listings, test interface, results dashboard, study materials, discussion page, calendar, and recordings.
* CSS: Styled responsive layouts for all pages, including question cards, buttons, timers, progress bars, and motivational badges.
* JavaScript: Implemented core interactivity such as test timers, answer validation, result calculations, and form interactions.
* Figma: Designed a modern, clean, and student-friendly UI with focus on clarity, motivation, and ease of navigation.

### Creative Feature Added

* Calendar with Updated Events: Helps students track mock tests, sessions, and deadlines for better planning.
* Discussion Page: Enables peer-to-peer doubt solving and community learning.

### Challenges Faced and Solutions Implemented :

* Challenge: Structuring multiple pages with consistent layout  
  Solution: Used reusable HTML/CSS components and maintained a consistent design system via Figma.
* Challenge: Making the site responsive across all devices  
  Solution: Applied Flexbox and media queries to ensure mobile and tablet compatibility.
* Challenge: Timer and result logic in tests  
  Solution: Wrote clean JavaScript functions for countdown timers, answer checking, and score calculation.
* Challenge: Designing user-friendly navigation  
  Solution: Kept a minimal layout with clear CTAs and used icons and visual hierarchy from Figma designs.

| My Platform Feature | Inspired By | Real-World Example |
| --- | --- | --- |
| Structured content + scheduling | Productized learning paths | WhiteHat Jr – Predefined coding paths & schedules for kids |
| Motivational badges, gamification | Habit-building tech | Duolingo – Rewards and streaks to maintain learning consistency |
| Recordings & calendar integration | Flexible education access | Vedantu – Live + recorded classes with time-bound schedules |
| Peer discussion page | Community-powered support | Unacademy – Live chat & discussion boards during learning |
| Subscription + Freemium pricing | SaaS-style education access | Skillshare – Free trial, then tiered membership |

Figma prototype link : https://www.figma.com/proto/TpfRIcG4rbUOuWdOOrjBs0/byju-s-clone?page-id=0%3A1&node-id=15-499&p=f&viewport=614%2C277%2C0.09&t=RzcODP9AWWj25mFb-1&scaling=scale-down&content-scaling=fixed&starting-point-node-id=15%3A499