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| Feature | Questions | Description |
| Student Profile Data | What specific information from the student's profile will the Roadmap Engine use to generate the roadmap? | Key details such as grade level, academic interests, extracurricular activities, and long-term goals (e.g., college, vocational training, specific career paths). |
| Career and College Goals | How will the system handle when a student asks for guidance on goals like applying to college or starting a career? | System will prompt students to select or input their goals, such as attending a particular college, selecting a major, or preparing for a specific job after graduation. |
| Extracurricular Tracking | What extracurricular activities should the system track (e.g., sports, clubs, volunteering)? | The system should log participation in sports, clubs, community service, and internships as these play a role in college applications and career preparedness. |
| Coursework and Academic Progress | How will the system track the student's coursework and academic progress? | System will use the student's current courses, grades, and standardized test scores (SAT, ACT, AP, etc.) to track their academic progress and suggest improvements or changes. |
| Standardized Tests | How will the system guide students through standardized testing milestones (e.g., SAT, ACT, AP exams)? | The system should recommend when to take standardized tests based on the student's year and academic standing, and provide study resources or prep courses. |
| College Preparation | How will the system guide students who want to apply to colleges? | The engine should offer tailored advice for college applications based on the student’s academic profile, test scores, extracurriculars, and targeted universities. |
| Career Exploration | How will the system help students explore career options if they don’t plan to attend college? | Provide information about vocational programs, apprenticeships, job training programs, and potential career paths for students who may enter the workforce directly after high school. |
| Milestone Tracking | How will the system define and track milestones for students? | System will set up milestones such as test prep, college application deadlines, internship applications, and skill development, updating based on progress and changes in goals. |
| Follow-up Questions | What types of follow-up questions will the engine ask to refine the roadmap? | Follow-up questions based on the student’s academic performance, interests, and any changes in long-term goals, such as new interests or career paths. |
| Updates and Modifications | How will the system adapt the roadmap if the student changes their goal or their academic standing changes? | The roadmap should dynamically update if the student’s grades, interests, or goals change (e.g., shifting from a focus on STEM to arts or vice versa). |