

## Dynamic Itinerary

- **Problem:** A user wants to create a vacation itinerary, but the weather changes rapidly, foot traffic increases or decreases, or hotel availability decreases (or increases), causing significant changes to their itinerary days before the vacation.
- **Solution:** In this application, users would create an account, create a new itinerary on the website, select a location worldwide where they would like to visit or vacation to, select a length of time, and select from a list of likes/dislikes. An external AI, utilizing Google's Gemini API or OpenAI's API, would then formulate and create an itinerary based on the user's likes or dislikes for a vacation within the user's selected date length. This itinerary is dynamic, and will change based on the weather of the location, traffic (foot or vehicle), and hotel availability. Further options/addons include 'forcing' desired locations to be on the itinerary (such as a specific museum or theater), or possibly the ability to buy tickets to events.

## Study Aid/Assistant

- **Problem:** Students are often utilizing AI to simply "do homework" for them, rather than utilizing AI as an aid to studying or learning.
- **Solution:** In this application, users would create an account, select or enter a topic they are currently studying, and then select the type of study material they would like (flash cards, quizzes, study sheets, and etc). An external AI, utilizing Google's Gemini API or OpenAI's API, would then assist in creating that type of study material for the student that would encourage them to study and learn rather than just relying on AI to 'do' the work for them. Further options/addons include utilizing a payment API system to implement a 'pro' mode.

## Project Manager

- **Problem:** Current project management applications, such as Jira or Trello, are often confusing and counter-intuitive to use.
- **Solution:** In this application, users would create an account, then simply create a board that allows them to create epics, stories for those epics, tasks for those stories, and subtasks for those tasks in a simple and user-friendly way. An external AI, such as Google's Gemini API or OpenAI's API, would be utilized to quickly create tasks for subtasks, or tasks for stories. Additional addons/options include importing current tasks from Jira utilizing the Jira API.