

Project Report Template

Title of Project: Smarty Potato – AI-Based
Interactive Learning Website

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Start Date: 25-11-2025

End Date: 02-12-2025

Day 1: Empathise & Define

Step 1: Understanding the Need

- Which problem am I trying to solve?

Many students struggle to learn complex topics because explanations are difficult, boring, and not personalized. They want simple, fun, language-friendly ways to understand any topic instantly.

- Who is affected by this problem?
 1. Students
 2. Beginners
 3. Anyone who wants to learn quickly
 4. Regional-language learners
 5. Slow learners who need creative explanations
- How did I find out about this?
 - Online Research
 - AI Tools
 - Observation

Step 2: What is the problem?

Students face difficulty understanding topics due to:

- Hard textbooks
- No simple explanations
- No personalized learning
- Lack of regional language support
- Boring traditional study methods

Why is this problem important to solve?

This project makes learning simple, friendly, and accessible to everyone using explanations, emojis, stories, summaries, and quizzes.

Take-home task

After discussing with friends and mentors:

- They said learning becomes easier when explanations are simple.
- They preferred emoji-based and story-style learning.
- They wanted quick quizzes for revision.

AI Tools you can use for Step 1 and 2:

1. **ChatGPT**: Used to analyze the problem, identify user needs, and refine problem definition.
 2. **Perplexity AI** : Used to research learning challenges and existing formula-learning platforms.
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Day 2: Ideate

Step 3: List at least 5 solutions

1. **AI Learning Assistant** – Takes any topic and explains it in multiple formats.
2. **Emoji Learning Tool** – Converts topics into fun, emoji-based lessons.
3. **Story Learning App** – Turns topics into short, interesting stories.
4. **Quiz Generator** – Generates instant quizzes from any topic.
5. **Regional Language Tutor** – Translates explanations into 10 regional languages.

Step 4: My Favourite Solution

A simple AI-powered website that takes any topic and generates:

- Simple explanation
- Emoji explanation
- Story explanation
- Summary
- Quiz

All inside a colourful, friendly UI.

Step 5: Why I chose this solution?

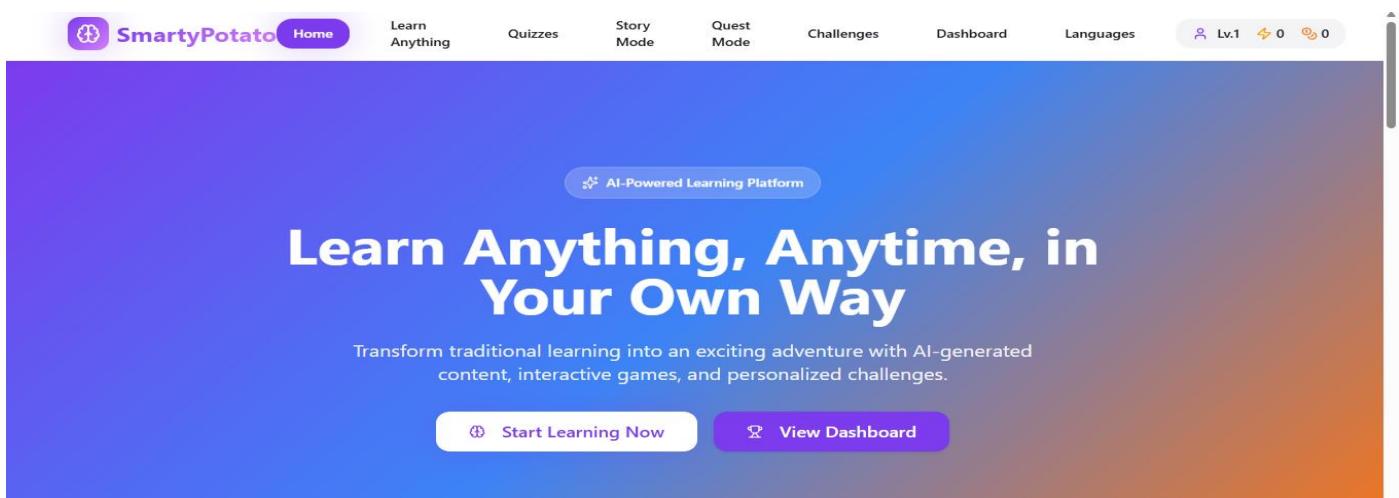
It makes learning:

- Simple
- Fun
- Personalized
- Accessible to all
- Language-friendly

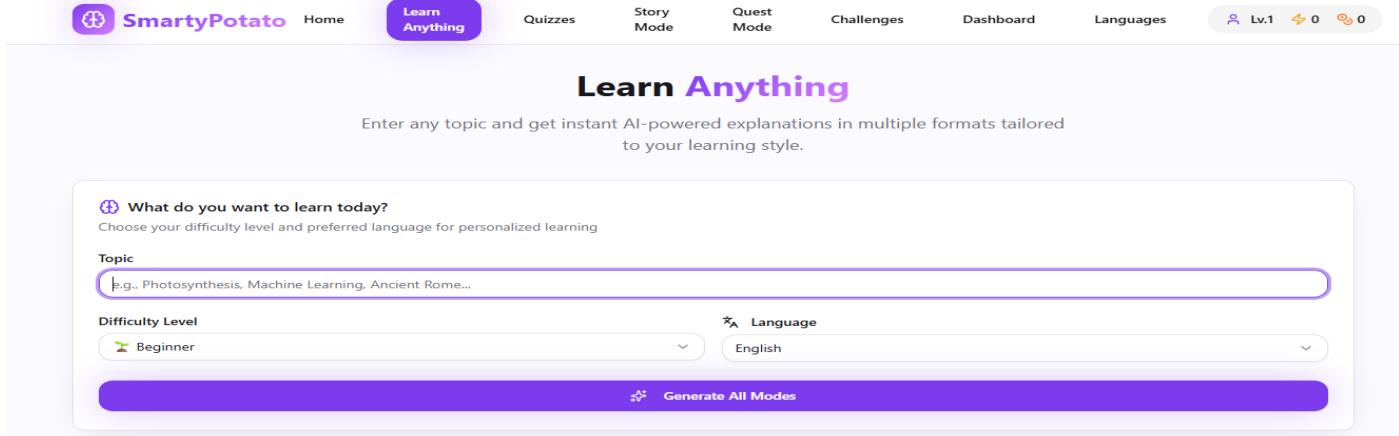
And it can be built easily using HTML, CSS, JavaScript, and AI tools.

Take-home task

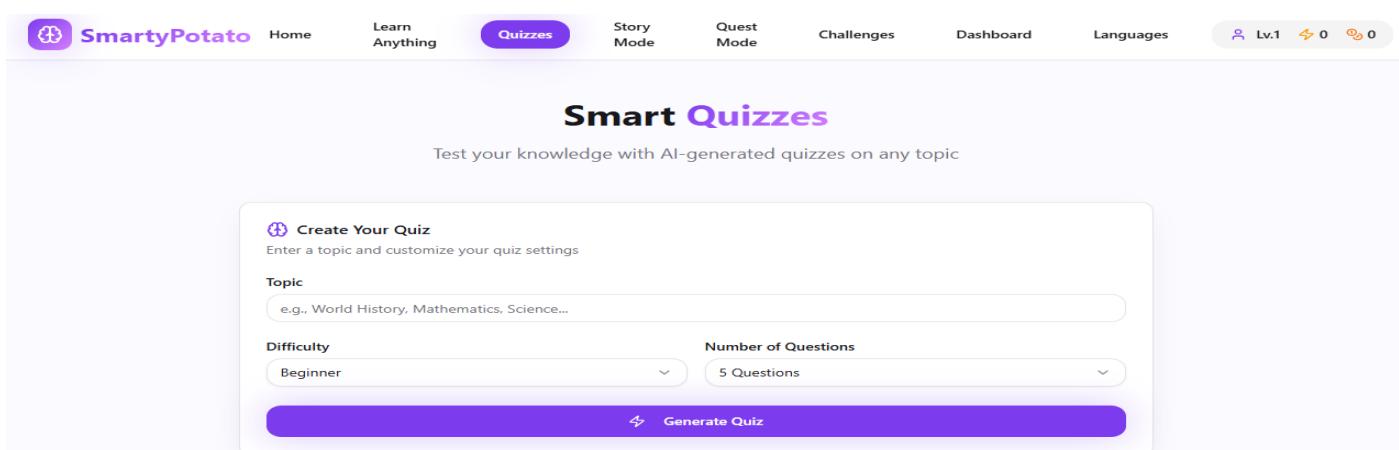
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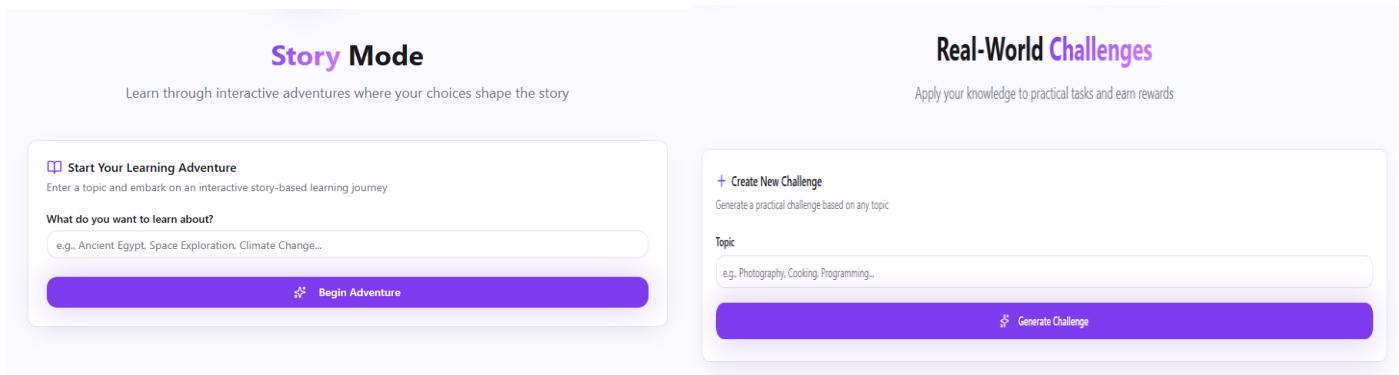
The screenshot shows the homepage of the Smartypotato AI-Powered Learning Platform. At the top, there's a navigation bar with links for Home, Learn Anything, Quizzes, Story Mode, Quest Mode, Challenges, Dashboard, Languages, and user stats (Lv.1, 0 coins, 0 points). The main banner features the text "Learn Anything, Anytime, in Your Own Way" and a subtitle about transforming traditional learning into an exciting adventure with AI-generated content, interactive games, and personalized challenges. Below the banner are two buttons: "Start Learning Now" and "View Dashboard".



This screenshot shows the "Learn Anything" section of the platform. It includes a search bar for entering a topic, dropdown menus for selecting difficulty level (Beginner) and language (English), and a large purple "Generate All Modes" button.



The "Smart Quizzes" section allows users to create their own quizzes. It features a search bar for topics, dropdown menus for difficulty (Beginner) and number of questions (5 Questions), and a "Generate Quiz" button.



This screenshot displays two side-by-side sections. On the left, "Story Mode" is shown with a "Begin Adventure" button. On the right, "Real-World Challenges" is shown with a "Generate Challenge" button. Both sections include search bars for topics and dropdown menus for selecting options.

AI Tools you can use for Step 3-5:

ChatGPT: for ideas, formulas, shortcuts, content

Perplexity AI: for research

Meta AI: Use these mobile-based tools to generate images for the solution they want to design.

Day 3: Prototype & Test

A clean and colourful website containing:

- A text box for topic input
- A “Generate Learning Content” button
- Sections for:
 - Explanation
 - Emoji version
 - Story version
 - Summary
 - Quiz

Website Name: **SmartyPotato**

Design Style:

- Rounded cards
 - Playful colours
 - Mobile-friendly
 - Smooth animations
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AI Tools I used:

- **ChatGPT** – To generate explanations and quizzes
- **App Medo AI** – To build and assemble the website
- **Canva AI** – For UI mock-ups
- **GitHub** – For uploading project files

Step 7: Test – Getting Feedback

Who tested it?

- Friends
- Classmates
- College mentor

What works well:

- Clean and simple UI
- Attractive colors
- Explanations are easy to understand

What needs improvement:

- Add language translation
- Add more animations
- Add bookmarking or save feature
- Add lesson history

Take-home task

Uploaded website link, screenshots, and demo on GitHub/AppMedo.

Day 4: Showcase

Step 8: Presenting my Innovation

- Final Project Title: SmartyPotato – AI-Based Learning Website
- Document key points of my presentation:

Problem Statement:

Learners struggle to understand topics because explanations are complex and not engaging. No platform provides simple explanations, emojis, stories, summaries, and quizzes for any topic in one place. My Innovation:

My Innovation:

SmartyPotato is a fun, simple AI-powered learning website that generates:

- Simple explanation
- Emoji explanation
- Story explanation
- Summary
- Quiz

from ANY topic the user enters.

Feedback I Received from Users:

What works well:

- User-friendly
- Fun design
- Instant explanations
- Good quiz questions

What needs improvement:

- Add regional language support
- Add voice-learning feature
- Add more fun elements

Tested by: My classmates and mentor from my college and family members.

Impact of My Innovation:

SmartyPotato simplifies learning for students and beginners. It converts any topic into easy, enjoyable learning content. It improves understanding, increases engagement, and supports personalized learning.

Step 9: Reflections

What I enjoyed most:

Creating a learning website that responds instantly to any topic and generates multiple explanation formats. The design and creativity were enjoyable.

Biggest Challenge:

Ensuring every format (simple, emojis, story, summary, quiz) works smoothly together. Making the UI clean and responsive was another challenge.

Take-home task

Upload your pitch document on GitHub

GITHUB: <https://github.com/Naseema0817/IBM-PROJECT-CTTE.git>

PROJECT: <https://app-7wqfhxbir4zl.appmedo.com>