CCT College Dublin

Assessment Cover Page

Module Title:	Time and Task Management
Assessment Title:	CA 2
Lecturer Name:	James Garza
Students Full Name:	Caua Novais da Silva Abdullah Siddique Zeeshan Mustafa
Students Number:	2023164 2023363 2023215
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Declaration

Summary

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Company Name: The Champs

DESCRIPTION OF COMPANY

It's an IT company that works on a project that gathers all Thesis, Surveys, and Debates of ideas, of all big minds published on platforms like Google Academic, and Online Libraries of big Universities around the world, and translated, making the programme APP "Teach People Any Topic" (TPAT) with a good design easy comprehension.

The TPAT is an artificial intelligence (AI) APP. Our company "The Champs" came up with that artificial intelligence, a smart code, with one goal, which is the idea of teaching in an easy, good way of understanding, reaching people of all ages, with a platform that has good accessibility, and communication between the user and the user interface (UI).

APP'S NAME: The artificial intelligence APP is called "TEACH PEOPLE ANY TOPIC" (TPAT)

Logos:
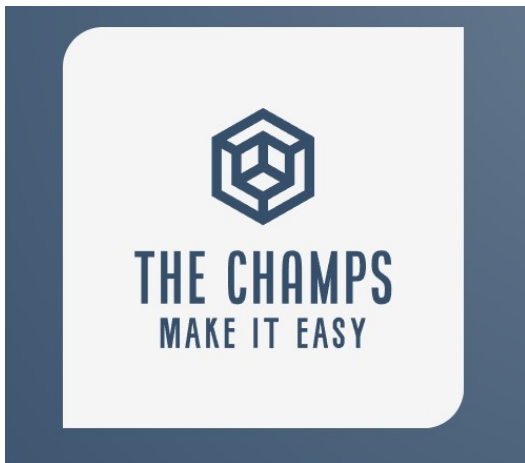
Figure 2: The Company Logo

Figure 1: The APP Logo

MANAGEMENT DEPARTMENT:

Planning:

Set goals and objectives for the company.

Setting goals and objectives for TPAT involves defining the purpose, functionality, and impact that you want the chatbot to achieve. Here are some suggested goals and objectives for TPAT:

User Engagement.

Increase user engagement and satisfaction with TPAT interactions.

Implement user feedback mechanisms, analyse user interactions, and continuously improve response quality.

Accuracy and Reliability.

Enhance the accuracy and reliability of TPAT responses.
Regularly update and fine-tune the model based on user feedback and emerging language patterns.

Responsiveness.

Improve the speed and responsiveness of TPAT.

Optimize infrastructure, reduce latency, and enhance the chatbot's ability to provide quick and relevant responses.

User Safety.

Ensure user safety by preventing harmful or inappropriate content.

Implement robust content filtering mechanisms, regularly update safety protocols, and provide clear guidelines on appropriate use.

Continuous Learning.

Enable TPAT to adapt and learn from new information.

Implement mechanisms for continuous learning, regularly update the model with new data, and stay current with evolving language trends.

Accessibility.

Make TPAT accessible to a diverse audience.

Improve usability for individuals with different abilities, provide support for various devices, and ensure compatibility with assistive technologies.

Privacy and Security.

Uphold user privacy and maintain a high level of security.

Implement strong encryption protocols, adhere to privacy regulations, and regularly audit and enhance security measures.

Feedback Mechanism.

Establish a robust feedback loop with users.

Provide users with an easy way to provide feedback, actively collect and analyse feedback data, and use insights to drive improvements.

These goals and objectives should be regularly reviewed and adjusted based on user feedback, technological advancements, and the evolving landscape of natural language. Processing is a crucial aspect of achieving success. To succeed, it is important to continuously improve and be adaptable to changes conversational AI APP like TPAT.

Developing plans and strategies to achieve organization objectives
Clearly Define Objectives.

Clearly articulate the specific objectives you want to achieve with TPAT. Ensure they are measurable, achievable, and aligned with the overall goals of the organization.

Assess Current State.

Evaluate the current capabilities and limitations of TPAT. Understand the strengths and weaknesses, user feedback, and areas that need improvement.

Collaboration with Developers.

Foster collaboration with developers and the technical team. Provide tools and documentation to enable developers to integrate TPAT effectively into various applications and platforms.

Scalability Planning.

Develop plans for scalability to accommodate increasing user demand. Consider infrastructure upgrades, load balancing, and resource allocation strategies to ensure optimal performance.

ORGANIZING:
Structuring tasks and activities to achieve goals efficiently.

Certainly, structuring tasks and activities efficiently is essential for achieving goals in any context, including for TPAT.

Goal Review and Prioritization.

Begin by reviewing the overall goals for TPAT. Prioritize goals based on their importance and alignment with the organization's broader objectives.

Break Down Goals into Specific Objectives.

For each goal, break it down into specific, measurable, and achievable objectives. These objectives should serve as milestones toward the larger goal.

Task Identification.

Identify the tasks required to achieve each objective. Tasks should be specific actions that, when completed, contribute to the achievement of the associated objective.

Dependencies and Sequencing.

Determine dependencies between tasks and establish the sequence in which tasks should be completed. This ensures that prerequisites are met before moving on to subsequent tasks.

Resource Allocation.

Allocate resources such as personnel, technology, and budget to each task. Ensure that resources are appropriately distributed to optimize efficiency.

BUDGETING:

Develop a comprehensive budget that outlines income, expenses, and allocations for various activities. Regularly review and update the budget based on changing circumstances.

Financial Planning.

Create a long-term financial plan that aligns with the organization's strategic goals. This plan should encompass revenue projections, cost estimates, and investment strategies.

Expense Control.
Implement strict controls over expenses. Regularly assess expenditures and identify areas where costs can be reduced without compromising essential operations.

Cash Flow Management.
Monitor cash flow closely to ensure there is enough liquidity to cover operational needs. Manage receivables and payables effectively to maintain a healthy cash flow.

Risk Management.
Identify financial risks and implement strategies to mitigate them. This could include diversifying investments, having contingency plans, and staying informed about economic trends that may impact the organization.

Investment Strategies.
Develop clear investment criteria and strategies for surplus funds. Consider short-term and long-term investment opportunities that align with the organization's risk tolerance and financial goals.

Creating and overseeing the budget.
Clearly outline the objectives of the budget for TPAT. This might include covering operational expenses, investing in research and development, and ensuring scalability.

Identify Revenue Sources.
Determine the sources of revenue for TPAT. This could include user subscriptions, licensing fees, partnerships, or other revenue streams.

Estimate Income.
Project the expected income from each revenue source. Be realistic and conservative in your estimates, considering historical data and market trends.

Operational Expenses.
Identify and categorize all operational expenses related to TPAT This may include server costs, maintenance, personnel salaries, software licenses, and any other recurring expenses.

Communication and Transparency.
Foster communication and transparency regarding the budget within the organization. This helps team members understand the financial context and make informed decisions.

Adaptability.

Remain adaptable and ready to adjust the budget based on changes in the business environment, user feedback, or unforeseen circumstances.

DEPARTMENTS OF THE COMPANY:
Our company's departments are:
- Management
- Research & Development
- Sales & Marketing

Research and Development Department
Task of Method Analysis
- Form of Search Similar APPs on the field of teaching:

By searching APPs with similarities in the field of teaching, it will be possible to obtain important recent data that allow us to improve our APP. That data collected will be got by the User's Feedbacks, that way allowing us to have a good conclusion in positive and negative points, about what the community most likes or not.
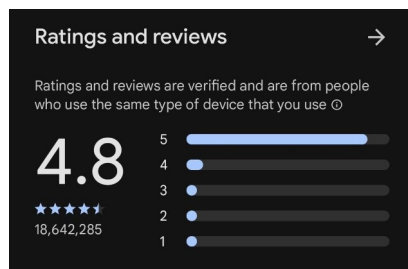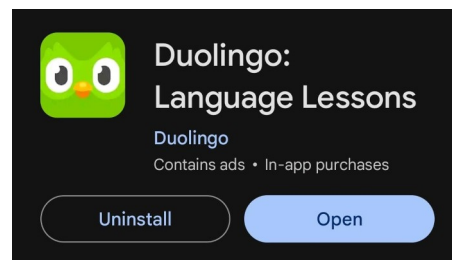

Figure 3: APP Rates

Figure 4: Duolingo APP

One example is the APP Duolingo, the APP has a good rating by the users.

Figure 5: Feedback Comment

But it is possible to spot negative points where the users didn't get used, or found it hard to understand the APP dynamic, or the huge ads popping-up on their screen.

These kinds of feedbacks are important to improve on the development of the APP with good rates and by consequence, achieving position in that field.

Task 2: Softwares that contribute to the development of the Project.

As responsible for the department of research and development, it is my duty to search for softwares that would help our company with the APP, for instance, programming software, design, platforms to launch, availability with mobile and desktop.

One software that we would use for the creation of the code of the AI would be "NetBeans" that works with the language Java.

Figure 6: Apache NetBeans Logo

As EKER, B. (2023) said, Java would be a great tool to programming the APP, because of its unlimited libraries that allow us to import methods from other

languages and implement them in Java, that way having a wide field of Artificial Code Algorithms.

As we developed the code, we would start to develop the User Interface (UI) which is important for a good understanding from all groups of ages. To afford it, we will use Webador and Canva.

Webador is a website that allows us to create a functional site with a good variability of interactions, such as pages, tools of search, design, and others. It will be important to have, as a portal to the APP community, where will be allocated videos teaching people how to use the APP on their first time, a portal of questions, and the APP download availability for PC platform.

Figure 7: Webador Logo

Working already with the APP and our company site, we would need to cause good first impressions to the public, and to make this happen, we must work on typography, iconography and choice of colours, which is easy with the site Canva.

Figure 8: Canva Logo

The site Canva contains multi-functions that help us with our necessities.
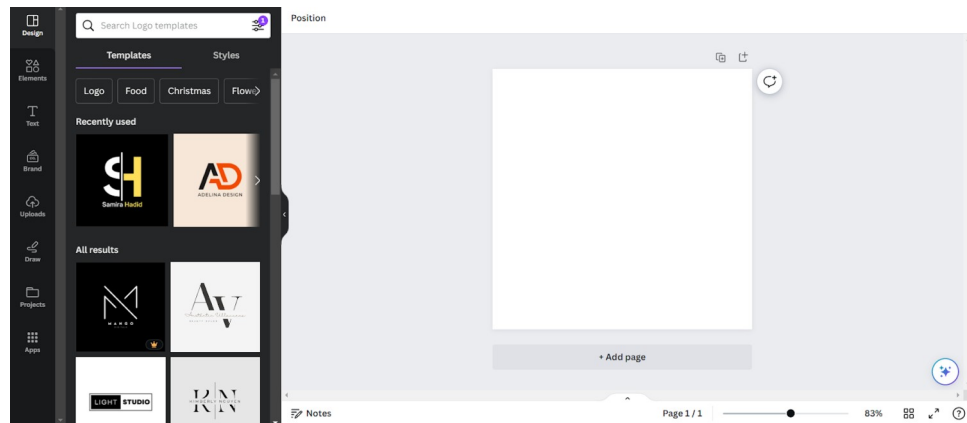
Figure 9: Canva Interface

Finally being launched on all platforms. We would have to make it available on Android and Apple platforms by their platform of store, Google Play Store, and Apple Store.

Task 3: Create a protype

I created a Workflow Diagram of our project where I put all our goals and phases, making a plan to finish successful.
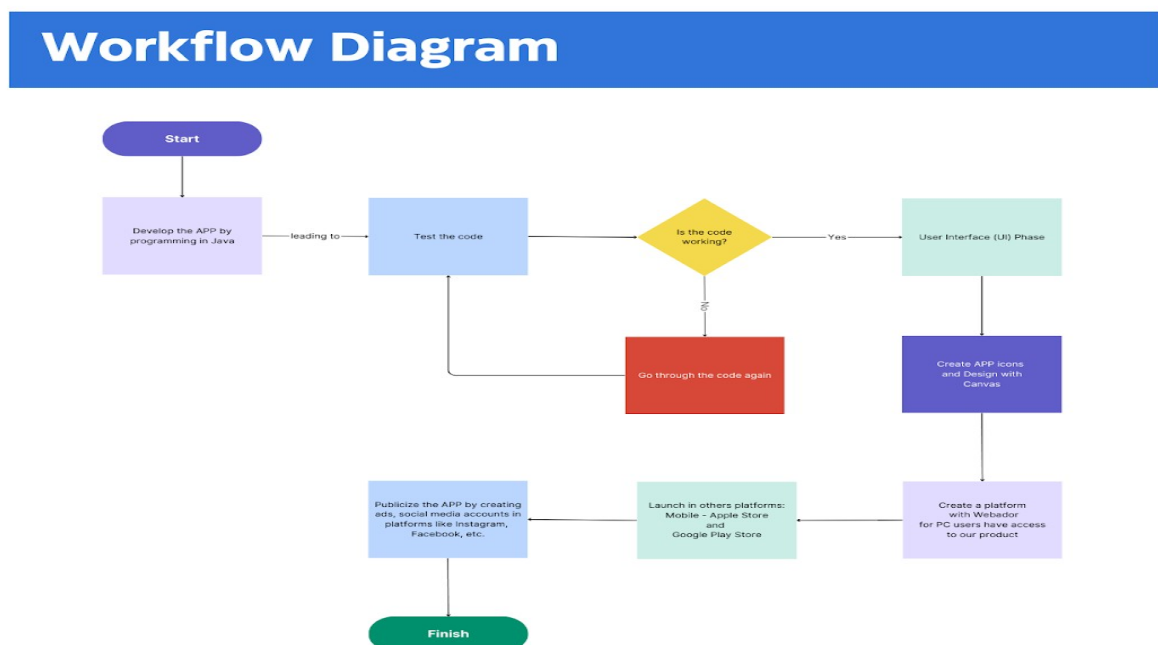

Figure 10: Project Flowgram

I have created an example of how the APP will work, with its tools, Interface with the User, being possible to find a search bar, field of topics and videos, Artificial Intelligence chat, where the User can have its questions answered, and a page of Topic Debates, where the user can dialogue with other users about the topics.
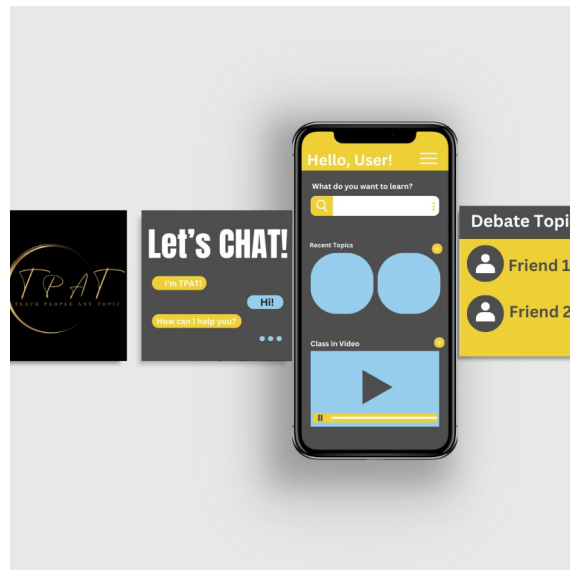

Figure 11: APP TPAT example

Feedback:
- Research & Development:

Research & Development Department, a field where the IT staff work to improve the APP, get data from customers' feedback, and analyse what can be done to make artificial intelligence more functional in the way of teaching and interacting with the users. This department is represented by Caua. Their work was fantastic and they complete their work always before the deadline.

- Sales & Marketing:

This department is responsible for sales and marketing, the duty is to create ads, design, and a good promotion of the name of the APP, allowing it to reach more and more users, and make income with the publisher because the APP by itself is free. Zeeshan is representing this department. He made a social media page for the company's promotion. He made the website for the company to promote it. I like his work he also completed his work before the deadline

- Deadline for Research & Development:

It was set the deadline for the research department for the date 17/11/2023 and Caua submitted his work before that time.

- Deadline for Sales & Marketing:

It was set the deadline for the sales and marketing 18/11/2023 and Zeeshan submitted his social media pages on 14/11/2023 & website on 16/11/2023.

REFERENCES

EKER, B. (2023). *Artificial Intelligence with Java Programming*. [online] Medium. Available at: https://bayramblog.medium.com/artificial-intelligence-with-java-programming-812b8adb1620.