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Group Members Not Decided Yet

Tax Avoidance with AI

With Tax Filing.

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OVERVIEW

Regarding the current situation of tax collection in Pakistan, only **0.57%** of the total population pay taxes. This figure is horrible when compared with developed countries. One of the major reasons for this is the complex procedure of tax collection. Our aim in this project will be to encourage people to file their taxes by making the whole process easy and efficient using artificial intelligence. Above all we aim to help the users minimize their tax because we believe it will ultimately increase the total tax collection.

GOALS

1. Allow the people of Pakistan file their taxes through a process as easy as possible by employing modern HCI methods.
2. Find out the minimum payable tax of a person.
3. Work with the government of Pakistan on the common interests such encourage people to file taxes and many more.
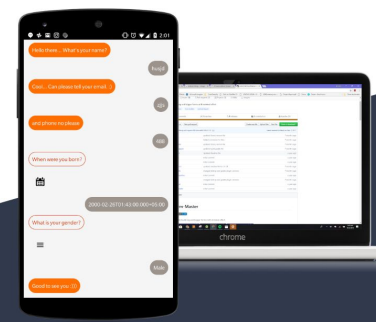4. Upgrade to FYP.

SPECIFICATIONS

First, comes the data collection from a person. After some analysis, which concluded that all of the options and responses are well structured and predictable, so a form-based data collection works well. But there is more. Please refer to my HCI project about chat form.

Chatform is an one-way chatbot or a way to collect a predefined large amount of information from user without any hassle. It's

Project Chatform

An innovative design concept of interactive lengthy forms. (It is not a chat bot)

different from a chatbot because it does not rely on natural language processing. The response from the user to a question is predictable and therefore the correct input methods appear in the options instead of the text box where the user generally types in for a chat. This response is narrowed down and becomes easy to validate and get information extracted from it.

Hence Chatform is the most suitable option.

Secondly the rules for tax will be converted into a complex graph which will be then studied and use artificial intelligence techniques to find the representation of the user's information such that the user has to pay the minimum possible amount in taxes. (tax avoidance)

Individuals and private partnerships will be targeted.

We will aim to launch a full fledge platform in a product form.

MILESTONES

Semester Project

For the semester project we would just want to implement a proof of concept with just a subset of the original tax law.

Final Year Project

After successful completion of the semester project we would want to pick the same project as FYP and develop a complete solution.