

Product Requirements Document (PRD)

Product Name: SurveyHustler (Telegram Bot Version)

Version: 3.0

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Prepared by: Ayomide Aboderin

1. Introduction

SurveyHustler is now a Telegram bot designed for students of Covenant University (CU). It enables final-year students (Survey Creators) to upload surveys and specify how much they are willing to pay per respondent. Other CU students (Survey Respondents) can answer these surveys and earn money, with matching based on detailed biodata. The platform ensures a streamlined survey process integrated within Telegram.

2. Objectives

- Enable final-year students to publish surveys through a simple Telegram interface.
 - Incentivize students to respond to surveys with a direct cash reward system.
 - Match respondents to surveys using their academic biodata.
 - Provide users with a way to track surveys they've uploaded.
 - Enable cashout of earnings directly within Telegram.
 - Allow for AI analysis of uploaded surveys by the user
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3. User Roles & Permissions

Survey Creators (Final-Year CU Students)

- Upload surveys.
- Specify payment per response.

- View performance of surveys.
- Run AI analysis on surveys

Survey Respondents (CU Students)

- Get alerted when a new survey is uploaded
- Fill out matched surveys.
- Redeem cash rewards.

Admin

- Oversee survey approval and payment processing.
 - Handle customer support.
 - Monitor platform activity.
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4. Key Features

4.1 User Flow (via Telegram Bot)

- **Registration/Login:** User provides personal information. Then otp verification. Then they provide their academic information (what school, college, course, etc)
- **Upload Survey:** This happens on a separate webpage. The user is first shown how to properly set up their google form with the email addresses to add as editor. The user then provides the editor link of their google form in the textbox provided. The backend verifies before they are welcomed to the page where they provide more information about the survey. These information include
 - Title
 - Brief Description
 - Duration
 - Target number of responses
 - Reward per response
 - Responder link to Google Form
 - Editor link to google sheet linked to form

- Institution dropdown
- Filter type: filter by college, department or course
- Levels of chosen filters
- **Payment:**
 - Shown total cost based on number of responses desired. formula:

$$(\text{total cost} = (\text{responses desired} * \text{reward}) + \text{service fee (usually 5\% of total cost)})$$
 - Redirected to fintech payment platform.
 - Upon success, survey is listed and becomes available to matched respondents.
- **Answer Surveys:**
 - Click on the answer surveys button in their telegram bot
 - Shown surveys matched to their biodata.
 - Click on check survey. Backend checks if editor access is still granted to the form
 - Redirected to external survey (Google Form).
 - Mark as completed in the bot after filling.
 - Bot verifies completion and credits wallet.
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- **Redeem Cash**
 - **Wallet:** Shows current balance.
 - **Cashout:**
 - Users can request withdrawal once they meet the minimum threshold.
 - Bot shows stored bank details and confirms before sending.
 - Confirmation message is shown with updated balance.
- **View My Surveys**
 - Survey Creators can view their uploaded surveys. Information they can see on it includes
 - survey title
 - number of responses received

- status (complete, incomplete, discontinued)
 - niche (filter type – college, department or course, with their selection and levels picked)
 - Form editor link to their form
 - Date uploaded
- User is provided with 3 options to do about their uploaded surveys:

EDIT NICHE: Note – the survey must have a status of incomplete for the niche to be editable

- user is shown link which redirects them to the survey upload page
- They edit the filters to what they want to change it to and levels if necessary. Other input fields are read only and cannot be edited
- Upon completion, the user's survey is updated and the new niche is applied

ANALYSE WITH AI

- User asks natural language questions to ai integration with platform
- A menu button at the bottom which says back to my surveys allows the user to exit the chat when he/she wishes

DISCONTINUE SURVEY

- This is when the user is no longer interested in people answering his/her survey. A confirmatory message pops up to confirm if the user really wants to discontinue the survey, telling them that the action is irreversible and non refundable
 - If the user confirms action, survey is deleted and no longer shows up in survey hustler platform
 - If no, the user is taken back to his/her surveys
- **Customer support:** Access to support via Telegram chat.

5. Functional Requirements

5.1 Survey Upload and Payment

- Creators can upload surveys with required biodata filters.

- Platform calculates total cost based on per-response rate and response count.
- External payment integration required.

5.2 Survey Matching and Answering

- Only surveys matching a respondent's biodata are shown.
- Users cannot answer the same survey twice.
- Surveys are removed when the response limit is reached.

5.3 Wallet and Cashouts

- Every completed survey credits a fixed naira amount.
 - Respondents can withdraw funds once minimum balance is met.
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6. Non-Functional Requirements

6.1 Security

- CU email verification for all users.
- Bank details stored securely and encrypted.
- Survey response validation mechanism to prevent fraud.

6.2 Performance

- Bot must respond quickly to user inputs.
- Capable of handling large concurrent Telegram users.
- Loads surveys fast (between 2-5 seconds from time of request)

6.3 Scalability

- Modular backend design for future expansion (e.g. new universities).

6.4 Usability

- Simple user commands and flows.
 - Clear instructions and feedback at each step.
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7. Open Questions

- **Survey Completion Validation:** Should creators manually confirm responses, or can a follow-up question be added?
 - **Payment Model:** Will all payments be processed immediately or held in escrow?
 - **Spam Prevention:** What mechanisms will prevent survey spamming or fake responses?
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8. Glossary

- **Survey Creator:** Final-year CU student creating a survey.
- **Survey Respondent:** CU student answering surveys for cash.
- **Telegram Bot:** Main interface for all SurveyHustler operations.
- **Wallet:** In-bot tracker for respondent earnings.