



Pay it Forward digital prototype

Functional Specification

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Overview

This document (together with a number of supplementary documents) is the functional specification for the "Pay it Forward" project.

This document specifies what the proposed system will do.

Scope

Overall description of the work: Building a Mobile application and/or system that allows users to get a free test for Chlamydia and Gonorrhea at a Testing Site, and to donate money for someone else to get tested.

Deliverables: a Mobile app or system that follows the Contagious Kindness model.

Justification for the project: The purpose of this project is to allow individuals to get tested for STI/STDs easily without worrying about the financial barriers that usually prevent people from getting tested.

Constraints: producing a system or app that can be reusable across platforms (WeChat, IOS, Android) and countries.

Assumptions: Users who request a test for free will be invited to donate money to support a test for someone else, Good CT/GN tests in place.

Goals

1. Help increase the number of tests for common STIs.
2. To provide the best way to get tested without worrying about financial difficulties.
3. Build an application suitable to the community using modern technologies.
4. The app and systems designed should support financial sustainability of the process.

Users

No	Actor Name	Description
1	Client	Users who request a test.
2	Donor	Users who donate test(s) for others.
3	Medical Practitioner	A qualified personnel that administers the test(s) to Clients.
4	Receptionist	A facility employee that handles Clients test appointments and inquiries.
5	Business operator (Social Enterprise)	A person (entrepreneur or employee of an organisation) who receives an incentive (remuneration, commision, etc.) for enrolling test centers and attracting more patients.

Users and Actions

Client:

1. Must be able to get a voucher for a free test(s) using the app.
2. Must be able to Donate money for test(s) using the app.
3. Must be able share tests from the app.

Donor:

1. Must be able to Donate test(s) using the app.
2. Must be able to share tests from the app.

Medical Practitioner:

1. Must be able to authenticate tests before administering them.
2. Must be able to finish/cancel tests placed using the app.

Receptionist:

1. Must be able to authenticate Clients with QR code using the app.
2. Must be able to view Clients details to confirm identity.

Business operator

1. Must be able to enroll new testing centers
2. Must be able to collect donations
3. Must be able to pay testing centers for tests delivered

Stories

Client

Finding out about free tests

The user finds out about free tests available through these channels:


- A message from a friend
- A poster at a medical center
- An ad on the web or social media

The user should be able to find facilities in a location of interest.

Getting a voucher for a free test

The user gets a voucher or code by scanning a barcode from a poster or pressing a button on their mobile phone, and then show a proof of payment to the receptionist at a test facility.

Getting an invitation to donate money



The user gets an invitation to donate money for someone else to get tested. The money can go to a central pool of funds, or to directly to a friend.

Donor

Donating money for free tests

The person (from anywhere in the world) can send money to a pool administered by a central organization (social enterprise) for paying for free tests.

Receptionist

Accepting a free test voucher

The receptionist at a medical facility scans a barcode or gets a unique code from a client claiming a free test.

After scanning with a mobile phone or entering the code into a system the receptionist gets a confirmation that payment has been or will be transferred to his/her medical facility to cover the test. Then the receptionist can proceed with the normal process for testing at that facility assuming payment has already been completed.

Business Operator

Enroll a new medical facility

The business operator discussed the Pay-It-Forward concept with a medical facility and obtained agreement from them to use the method at that facility.

The business operator must list the facility on a database so the facility can be found by people needing tests. Also will print posters with a barcode to be posted at the medical facility so users can scan it to receive a free voucher.



The business operator must obtain the WeChat pay or Paypal accounts or bank accounts of the medical facility so funds can be transferred to cover the test given.

The business operator must be able to validate that the tests which are being paid for, have actually been given to real clients.