**Project**

Mr.DOCTOR

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Summary

1. Introduction
   1. Client Requirements

* Having a human model to point out the symptom.
* After clicking on one of the parts of the body that a victim gets hurt, it will pop up two options which are choosing other hurting parts of the body and going next stage
* At the second stage, if there is one disease has been found, pop up all information of that disease, potiential reasons why you got that disease and all medicine you have to buy.
* However, if there are two or more diseases have been found, listing all necessary health check-up services.
* The app also has a feature to help you to set an appointment for health check-up
* Under the list of each health check-up services, there are a submission of the result of your health check-up, so the app will process the precise result
* When the result appears, if it’s not too serious, it will give the client what medicines they need to buy. However, if it’s serious, they need to set an appointment for operation
* There also have online doctor service 24/7. Therefore, you can ask them whenever you need
* The emergency call service will be available and easy to activate
* Users can pay online by using credit card, google pay,…
* Help center is available 24/7 for support the users as soon as possible
  1. Product Abstraction
* An fully services application based on the client’s requirements
* A structured and organized database
* A connection with majority of hospitals
* A connection with majority of banks to let users pay online

1. Budget
   1. For hiring employees salary cost:

* Doctors:
  + Working hours per year is 24 x 365 = 8760
  + Quebec wage for doctor is $35
  + Totally salary per year is 35 x 8760 = $306600
* Online Staff of Help Center:
  + Working hours per year is 24 x 365 = 8760
  + Quebec wage for online staff is $15
  + Totally salary per year is 8760 x 15 = $131400
  1. For deploy new system cost:
* Hardware and Software costs: $70000
* Maintenance Costs per year: $10000
* Discount rate: 10%
* Lifetime of System: 6 years
  + 1. Net Present Value

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Time | Year 0 | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| Dev Cost | $70000 | 0 | 0 | 0 | 0 | 0 | 0 |
| Operational Cost | 0 | $10000 | $10000 | $10000 | $10000 | $10000 | $10000 |
| Present Value | 1.00 | 0.91 | 0.83 | 0.75 | 0.68 | 0.62 | 0.56 |
| Time Adjust Costs | $70000 | $9100 | $8300 | $7500 | $6800 | $6200 | $5600 |
| Cumulative Cost | $70000 | $79100 | $87400 | $94900 | $101700 | $107900 | $113500 |
|  |  |  |  |  |  |  |  |
| Benefits | $0 | $5580515 | $5580515 | $5580515 | $5580515 | $5580515 | $5580515 |
| Present Value | 1.00 | 0.91 | 0.83 | 0.75 | 0.68 | 0.62 | 0.56 |
| Time Adjust Costs | $0 | $5068369 | $4631827 | $4185386 | $3794750 | $3459919 | $3125088 |
| Cumulative Benefits | $0 | $5068369 | $9700196 | $13885582 | $17680332 | $21140251 | $24265339 |
|  |  |  |  |  |  |  |  |
| Net Benefits Costs | -$70000 | $4989269 | $9612796 | $13790682 | $17578632 | $21032351 | $24151839 |

Cost

* + 1. Payback Period

Payback Period = $70000 / ($70000 + $4989269) = 0.014

* + 1. Return On Investment (ROI)