**System Requirements**

1. Will be user friendly

2. Will improve Email Confirmation

3. Will eliminate manual paper entries

4. Will create a digital database for records

5. Will Increase employee productivity

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| --- | --- |
| Company Name | University of Louisville SRC |
| Team | The Arsenal |

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| --- | --- | --- | --- |
| Benefits | | Costs | |
| Decrease in paper cost | 8,000 per year | Online payments | PayPal  2.9% plus $0.30 per transaction |
| Income from increased members | Refers to revenue increase | Maintenance fees | Professional Ecommerce website $80-$150 per month |
| Benefits Costs |  | Labor Cost | $8.50 biweekly |
| Decrease in wage expense | 2hours \*50 weeks \*8.25 | Website (monthly payment) | Wix website cost  $22 per month  After a year  $14.95 per year for domain |
| Revenue Increase | $240 x new members | Hardware (iPad, computer) | $329 per iPad, estimation of 10 iPads |
| Income from Online Sales | Membership cost about $240 a year so we multiple it by the number of people per year |  |  |
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| **Total Benefits** | **$3,046,983** | **Total Cost** | **$102,932** |
|  |  |  |  |

**Costs**

· **Online payments:** we estimate that roughly the SRC has an average of 500 people per week and I multiple it to 52 weeks which is what a year is, and multiple it by the online payment fee by each transaction.

· **Maintenance Fees:** According to Google a professional website takes about $80 per month to maintain it.

· **Labor cost:** we estimated that majority of the fitness are students, so they are part time which means they work about 20 hours a week. We took 20 hours and multiple it by 52 weeks to give us the gross hours per year. Then we multiply by 8.25.

**Benefits**

* **Paper Cost:** According to record the nation average annual cost to store documents in an office is about $8,000.

· **Income from Online payments:** Membership cost around $240 per year for members so took that and multiple it by people per year which was 26000 (500\*52).

· **Decrease in Wage:** estimated that if the works worked two hours less and 2 hours shorter. We would multiply 2 hours by 50 weeks and by the amount they get paid hourly.

· **Revenue increase:** We took the year rate of $240 and multiple it by 100 new members if the rate was to go up.

**Use-cases**

Actors:

Clients: Students, alumni, and uofl staff.

Employees: EmployeeSrc Staffs - managers - supervisors

Client - primary actors

* Register and sign up account to access the gym
  + Clients must register their account online and sign up with their email address to access their account
* Get email notification
  + With an active account, clients should be able to get email notification and confirmation about their account. Clients should also get reports on incidents or changes that occur in the src. Also clients will get notification on late fees, deadlines and warning before any decision is made on their account
* Checking activity
  + Clients should be get report on used areas in the src. A live update will be provided so the client should not have to waste time waiting to used equipment or courts. The reports should how often people visit the area and the
* Getting locker information and notification
  + With an account with the src, client will also be able to register for a locker, make payment to get a locker and get notification on their locker. The Clients locker info will be tied to their account.
* Making a purchase
  + Client should be able to make an e-commerce payment with debit and credit. A confirmation will be sent to their email to confirm their payment and also provide a receipt.
* Making a reservation
  + An updated reservation system connected to the client account that allows to make reservation and also get information on popular times. The reservation will also allow client to add other clients to the reservation so can get notifications and updates on the reservation made.

Employees - Primary Actors

* Record client activities and process information
  + Employees will record the client actions and the amounts.
* Delete or suspend client account
  + Client who are banned or suspended from the src will have their online account revoked by the src authorities. Src authorities would also be able to renewed client account, if the client is granted access back to the src.
* Trained to use online systems and provide reports to clients
  + Employees will be trained to input, edit information online. The website will process and provide output. Important information will be posted
* Provide email notification and client confirmation
  + Trained employees and managers should be able to send email confirmation to multiple clients, reply to emails
* Provide locker information
  + Employee will provide updates on clients locker information. Send emails or display warnings on the website to clients so they can
* Turn off tv systems

**Risk Analysis**

**Gantt Chart**

Tasks for the Gantt Chart:

