

<b>BUSINESS CASE WorkFlow</b>	
<b>Proposed Project</b>	Our goal is to design and implement a Software for Workforce Scheduling.
<b>Date Produced</b>	September 20, 2023
<b>Background</b>	<p>Background Information:</p> <p>Employers have a big responsibility to manage employees' schedules in order to fulfill all roles. Schedules constantly change, making it difficult to keep everyone updated in real-time. By using workforce scheduling software, employers no longer need to manually schedule every task and employees can manage their own schedules more efficiently.</p>
<b>Business Need/ Opportunity</b>	<p>Business Need:</p> <p>Our advanced technology eliminates outdated scheduling methods that involve pen and paper by providing scheduling software, time clocking, and communication software. This web-based solution eliminates the need for back-office paper schedules, sticky notes, and lost email threads. Employers can update shifts and schedules from anywhere, at any time. Our software enables employers to stay connected with their employees in a contactless manner. With its user-friendly interface, employers and employees can easily communicate and remain accountable, allowing the company to focus on achieving success. The software offers a range of features including availability management, task assignment, and time-off requests, all accessible from a computer. With our product, managers can enhance productivity and employees can feel empowered.</p> <p>Market:</p> <p>There are similar products being released in the market, but unfortunately, most of them are not free. Some of the most popular products in the market include Connecteam and Homebase. Connecteam is an app that is \$29/month for 30 users and Homebase is \$20/month. Our product's purpose is for educational use, and we plan on offering it to users for free. Our product will also be open source, so users can customize the product according to their requirements. We hope that this will benefit thousands of employers who can take advantage of it.</p>
<b>Options</b>	Outline implementation plan:

	Tasks
	<p>Research market</p> <p>Group meeting for decision making (Naming, Logo)</p> <p>Making business case and cost estimates forms and gantt chart</p> <p>----- Requirements Gathering and Planing-----</p> <p>Making Feedback Notes</p> <p>Gathering Ideas of design constraints and priority requirement</p> <p>develop detail project schedule unit by unit</p> <p>Build first lo-fi prototype</p> <p>----- Software Development -----</p> <p>Making feedback Notes</p> <p>building units</p> <p>Build hi-fi prototype based on units</p> <p>----- Deployment -----</p> <p>Making feedback Notes</p> <p>edit hi-fi prototype</p> <p>Implementation (html,css,js)</p> <p>Group meeting for testing the prototype</p> <p>finalize the prototype -&gt; model</p> <p>final testing on model</p> <p>-----Implementation Review -----</p> <p>improve and implement software</p> <p>Business Risk:</p> <p>The biggest business risk of our product is that the reliability of our software may be less than the reliability of a paid products' software. This can affect the acceptability of our product by users. However, our product will be free of cost. Therefore, if users can accept trading reliability with cost, then our product can be successful.</p>
Cost-Benefit Analysis	

COST ESTIMATES						
Project Name		Workflow				
HR Cost Estimates						
Activity	Duration (days)	Resource	% Allocate	Work (days)	Daily Rate	Cost
Research Market	2.0	Human Resource (our group)		3.0		\$0.00
Design Layout	3.0	Human Resource (our group)		10.0		\$0.00
Build Prototype(Lo-fi&Hi-fi)	5.0	Human Resource (our group)		5.0		\$0.00
Getting Customer Feedback	7.0	Human Resource (our group)		7.0		\$0.00
Reasearch Opensoruces	5.0	Human Resource (our group)		5.0		\$0.00
Build Model and Test	10.0	Human Resource (our group)		10.0		\$0.00
Total HR Cost Estimates						\$0.00
Other Cost Estimates						
Item	Quantity	Description			Unit Cost	Cost
Domain host fee	1.0				\$30.00	\$30.00
Copyright fee of images	1.0				\$50.00	\$50.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
Total Other Cost Estimates						\$80.00

Recommendation

There are three different ways users may be managing their schedules currently:

1. Users are not using any managing software
2. Users are already using a paid software
3. Users are using a hard copy based schedule planner

In each of these circumstances, the user will need to take time to learn how our software works and migrate their information from another software or paper to our product. These interruptions may cause users to not want to change their current schedule management technique. However, the benefits of our software outweigh these interruptions and the interruptions are only temporary, while the benefits are permanent.

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