

IT Project Management

Group Project

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Group 3: Celina Adhikari, Philip Collins, Montana Meyer, Moses Abdulai, and Kaleb Burdin

Chapter 4: Project Integration Management

Running Case Summary

With the rising income inequality, a group of college students have decided to work together to make the world a better place. Although the students are from various countries, they are still able to use the internet to communicate with each other. The leaders of this group are putting together a list of possible projects that would promote economic growth and sustainability, as well as promoting entrepreneurship.

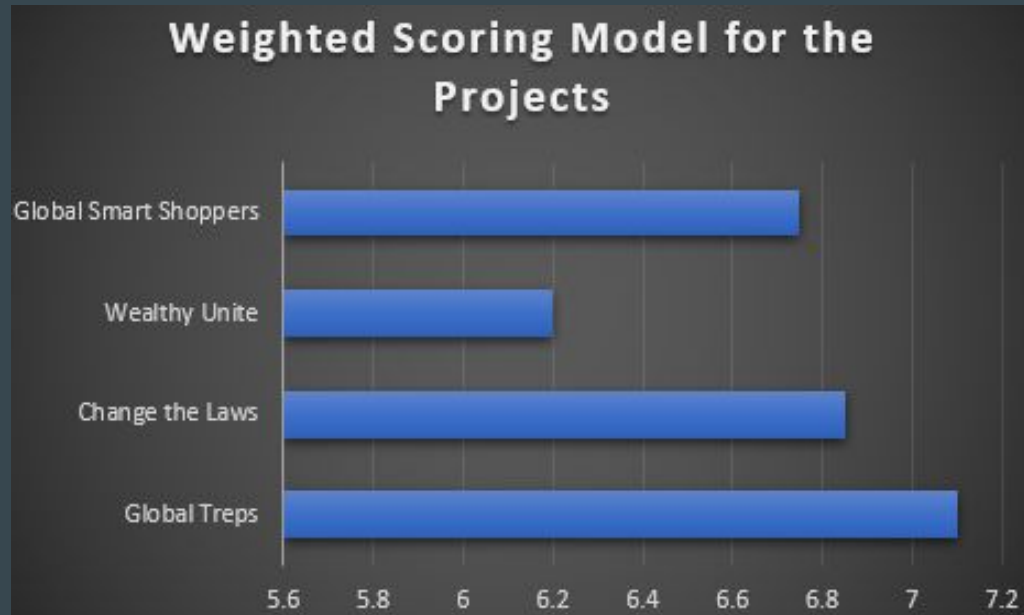
Task 1: Summarization of Proposed Projects

- 1) Global Treps
- 2) Change the Laws Campaign
- 3) Wealthy Unite
- 4) Global Smart Shoppers

Task 2: Evaluation of Projects Using Weighted Scoring Model

Criteria	Weight	Global Treps	Change theLaws Campaigns	Wealthy Unite	Global Smart Shoppers
Impact Factor	35%	7	8	7	6
Economic Factor	20%	8	5	7	6
Sustainability Factor	20%	4	9	3	6
Entrepreneurial Factor	25%	9	5	7	9
Weighted Project Scores	100%	7.1	6.85	6.2	6.75

Task 2: Evaluation of Projects Using Weighted Scoring Model Cont.



Task 3: A Business Case for the Global Treps Project

Task 4: Global Treps Project Charter and Assumption Log

Project Charter

3-9-21

Project Title: Global Treps			
Project Start Date: 3-9-21		Projected Finish Date: 9-9-21	
Budget Information: \$130,000			
Project Manager: Group 3			
Project Objectives: Hold 4 "Shark Tank" like events plus develop the Global Treps site and application			
Success Criteria: The software must meet all specifications, be tested thoroughly, and be completed on schedule.			
Approach: <ul style="list-style-type: none"> Within one month, create: work breakdown structure, scope statement, and a Gantt chart Within two months, purchase all necessary equipment Hold weekly progress meetings Conduct software testing throughout the development process 			
Roles and Responsibilities			
<i>Name and Signature</i>	<i>Role</i>	<i>Position</i>	<i>Contact Information</i>
Dr. K	Project Sponsor	CEO	drk@globaltreps.org
Group 3	Project Manager	Manager	Group3@globaltreps.org
Bobby	Team Member	Programmer	bobby@globaltreps.org
Ashok	Team Member	Programmer	ashok@globaltreps.org
Kim	Team Member	Quality Assurance	kim@globaltreps.org
Alfreda	Team Member	Quality Assurance	alfreda@globaltreps.org

Assumption Log

ID	Assumption Description	Category	Source	Due Date	Status
1	Need to raise awareness for the project	Execution	Dr. K	N/A	In Progress
2	Need to purchase the domain before it is taken	Planning	Kim	ASAP	Complete

Task 5: Global Treps Lessons Learned Report

Task 6: Global Treps Change Request

Chapter 5: Project Scope Management

Running Case Summary

You have been selected as the project manager for the Global Treps project. The schedule goal is six months and the budget is \$120,000. Dr. K and a few of her associates have agreed to fund the project and Bobby, Kim, Ashok, and Alfreda are appointed to the project team. From the budget, \$50,000 is used for wages, \$30,000 is used for travel expenses, \$20,000 is used for hardware and software, and the last \$20,000 will be used for organizing events, consultants, legal/business fees, etc.

Task 1: Requirements for the Global Treps Project

Task 2: Project Scope Statement for the Global Treps Project

Task 3: Work Breakdown Structure (WBS) for the Global Treps Project

Work Breakdown Structure (WBS) 3-13-21

Project Name: Global Treps

- 1.0 *Shark Tank*-like Events
 - 1.1 Management
 - 1.1.1 Planning
 - 1.1.2 Meetings
 - 1.1.2.1 Face-to-Face
 - 1.1.2.2 Virtual
 - 1.2 Holding the 4 Events
 - 1.2.2 Meetings
 - 1.2.2.1 Face-to-Face if possible
 - 1.2.3
- 2.0 Product Requirements
 - 2.1 Website
 - 2.2.1 Guidelines and Templates
 - 2.2.2 Documentation
 - 2.2.2.1 Video Demonstrations
 - 2.2.3 Feedback for new services

[illegible]

Task 5: Strategy for Scope Validation and Change Control for the Global Treps Project

Chapter 6: Project Schedule Management

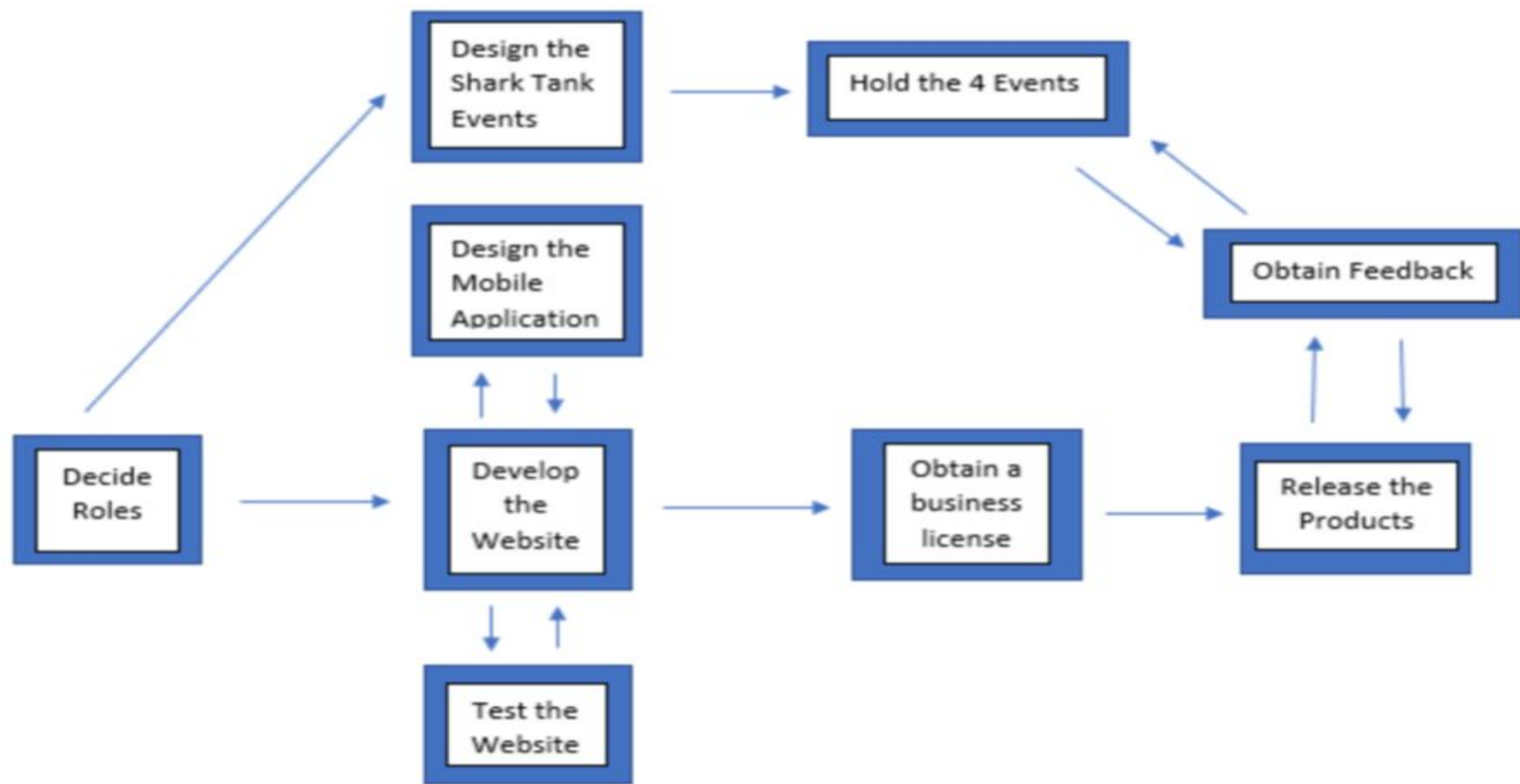
Running Case Summary

Each student is to view the Global Treps Project from a project manager lens. Dr. K sponsors the project, and Bobby, Kim, Ashok, and Alfreda are the team members. Some of the work of the project will be outsourced as well. The time constraint of the project is six months, and the budget constraint is \$120,000.

Task 1: Propose Three to Five Activities That Help Estimate Resources and Durations

Task 2: Identify Milestones for the Global Treps Project

Task 3: Gantt Chart and Network Diagram



Chapter 7: Project Cost Management

Task 1: Cost Model for Project

	#units/Hrs	Cost/Unit/Hr	Subtotals	WBS Level 2 Totals	% of Total
WBS Item					
1.1 Project Management				\$45,500.00	51.31%
Project manager	400	\$20.00	\$8,000.00		
Project Team members	1200	\$20.00	\$24,000.00		
Bobby	450	\$30.00	\$13,500.00		
1.2 Hardware				\$1,590.00	1.79%
1.2.1 Laptops	3	\$500.00	\$1,500.00		
1.2.2 Internet	3	\$30.00	\$90.00		
1.3 Software				\$5,989.00	6.75%
1.3.1 Outsourced			\$500.00		
1.3.1.1 Domain name and site hosting	1	\$500.00	\$500.00		
1.3.1.2 Donation acceptance feature website	1	\$1,000.00	\$1,000.00		
1.3.1.3 Video creation for website	8	\$100.00	\$800.00		
1.3.2 In-house development	1	\$500.00	\$500.00		
1.3.2.2 Guidelines and templates for events	4	\$50.00	\$200.00		
1.3.2.3 Acceptance of ideas for needed new products or services	20	\$40.00	\$800.00		
1.3.2.3 Custom site for 20 events	20	\$50.00	\$1,000.00		
1.3.3 Testing	1	\$757.90	\$758.00		
			\$24,000.00		
1.4 Travel	4	\$6,000.00		\$24,000.00	27.06%
1.5 Events				\$11,600.00	13.08%
1.5.1 Internal Labor	16	\$300.00	\$4,800.00		
1.5.2 Consultant labor	4	\$500.00	\$2,000.00		
1.5.3 Refreshment	4	\$200.00	\$800.00		
1.5.4 Prizes	4	\$800.00	\$4,000.00		
Total project cost estimate				\$88,679.00	

Task 2: Cost Model on Monthly Basis

Task 3: Cost Variance, Schedule Variance, Cost Performance Index (CPI), and Schedule Performance Index (SPI) for the Project

$$CV = EV - AC = \$55,000 - \$50,000 = \$5000$$

$$SV = EV - PV = \$55,000 - \$60,000 = -\$5000$$

$$CPI = EV / AC = \$55,000 / \$50,000 = 1.1 \times 100\% = 110\%$$

$$SPI = EV / PV = \$55,000 / \$60,000 = 0.916 \times 100\% = 91.6\%$$

Chapter 9: Project Resource Management

Running Case Summary

Several people working on the Global Treps project are starting to become confused about their responsibilities. There needs to be further clarification on who is responsible with what portion of the project and what needs to be done to finish them.

Task 1: RACI Chart

RACI Chart					
Project Activity	You	Kim	Ashok	Alfreda	Bobby
Guidelines and templates for events	A	R	R	R	I
Acceptance of ideas for needed new products or services	C	A	R	R	I
Custom site for 20 events	C	R	A	R	I
Video creation for website in the WBS	C	R	R	A	I

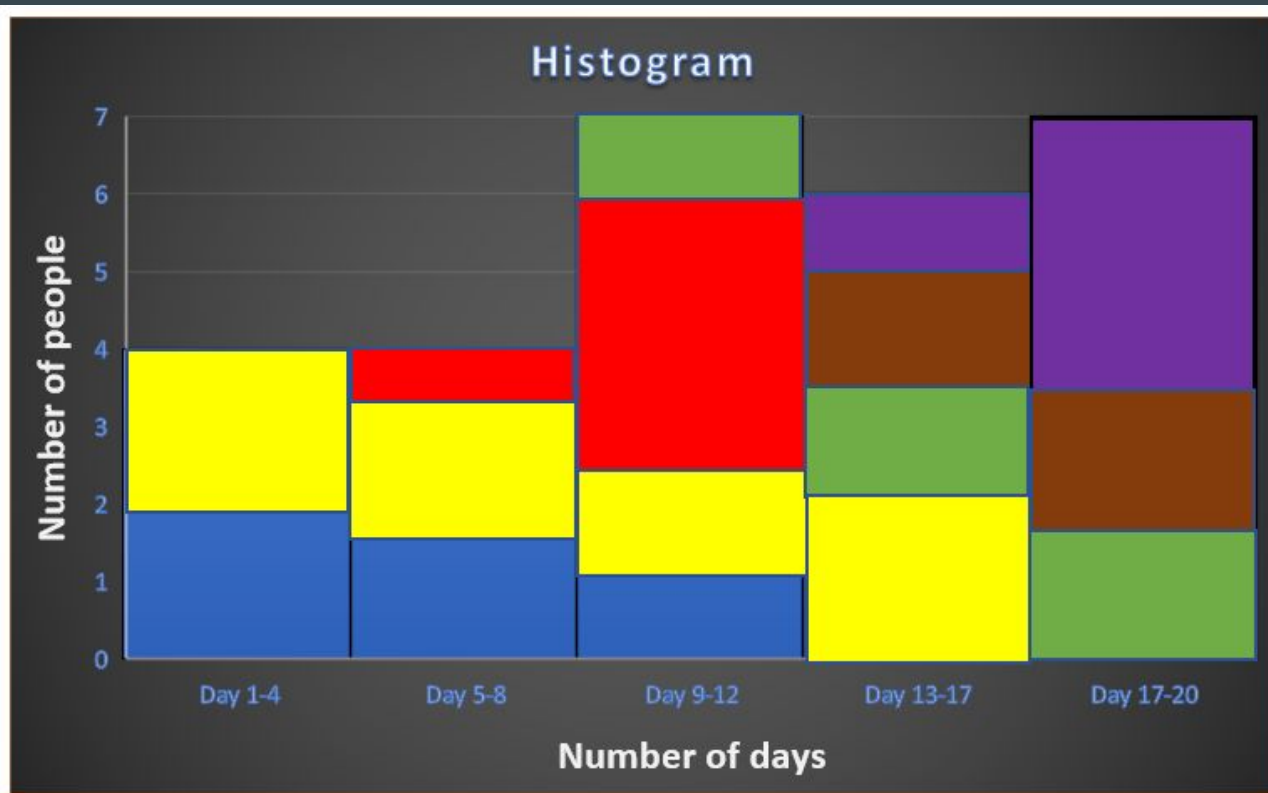
R	Responsible
A	Accountable
C	Consulted
I	Informed

Assumptions

1. The RACI chart puts no consideration to the effects of external influences or any barriers preventing the completion of activities.
2. The RACI chart is based on current activities and has no consideration for the flexible nature of activities (i.e. increase/decrease of resources, way the activity needs to be done, etc.).
3. The RACI chart is designed around the best possible circumstances and on the current standing of activities and the way those activities are being completed.

Task 2: Understanding Team Member Personalities

Task 3: Resource Histogram



Chapter 10: Project Communications Management

Running Case Summary

There has been several issues that have come up in the Global Treps project. Ashok has broken his wrist and will not be able to work on the project for at least 3 weeks, with the deadline for the first event being one month away. On top of that, Alfreda is having trouble contacting Dr. B, her contact in Ethiopia. He does not use text messaging and still has not explained to his students about the project, who are prime candidates. Alfreda also does not know if Dr. B has even scheduled a room for the first event yet.

Task 1: Communicate about Ashok's Injury

Task 2: Partial Communications Plan to Address Challenges

Task 3: Researching Kanban Boards

Task 4: Options for Communicating with Dr. B