



**Faculdade de Design,
Tecnologia e Comunicação**
Universidade Europeia

PROJECT PLAN FOR SOFTWARE DEVELOPMENT

January 24, 2020

Degree in Computer Engineering
Computer Systems Project Management

Bruno Ramos
Manuel Beijinho

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PROJECT DESCRIPTION

Social media is increasing exponentially in the lives of children, teenagers and adults. It allows family and friends to stay connected through the internet without the need to physically move to each other. Because of this ease of access, social media has been growing immensely in popularity and doesn't seem to be stopping any time soon. To accommodate this rising number of users many companies are creating more platforms, each with their own creative twist.

In this project we intend to create a platform for hobbyists to come together, share or learn more about their hobbies, whatever they may be. One example of this type of platform is [meetup](#). On this website you can create events for people to sign up and meet.

We believe we could bring people closer together by giving them a way of joining or hosting an event with other people and ultimately enjoy their hobby to the fullest, all the while in the presence of other like-minded people.

BUSINESS OBJECTIVE AND SUCCESS CRITERIA

Our business objective relies on having the greatest number of users accessing and navigating our website, where we'll profit via the display of advertisements.

Also, when creating workshop events, the hosts will have to pay a fee for their advertisement.

For the project to succeed the website must have many active users.

PROJECT SCOPE

The scope of Group Up project includes the planning, design, development, testing and deployment of the Group Up Website. The scope of this project also includes the completion of all documentation.

This project will consist of creating a website for people with the same hobbies to meet and enjoy them in the company of other like-minded people. The project will be completed by January 2020. Modules of the website include creating events, being able to see them, joining existing events and visualize them on a map.

CONSTRAINTS

Dimension	Constraint	Driver
Scope	Full-fledged event system	
Schedule	Project duration	School project
Resources	HTML, JS, Node.js and CSS	School project
Quality	W3C	

SWOT ANALYSIS

Strengths	Weaknesses	Opportunities	Threats
Responsive	Innovation	Not many similar websites to date	Meetup Website
Design	Creativity		
Utility	Depends on the number of users		
User friendly			

MILESTONES

Events and deliverables	Target date	Responsibility
Assemble project team	September 23, 2019	Project manager Development team
Project charter and WBS approved	November 12, 2019	Project manager
Project plan completed	November 17, 2019	Development team
Project plan approved	November 17, 2019	Project manager
System design completed	November 17, 2019	Development team
Test plan completed	December 15, 2019	Development team
Integration tests	January 2, 2020	Development team
Deployment completed	January 19, 2020	Development team
Project closed	January 24, 2020	Project manager

BUSINESS RISKS

Risk	Probability	Impact
Google maps API failure	Low	Low
Google sign in API failure	Low	Severe
Software presents security risks	Low	Severe
Database failure	Low	Severe
Leaflet Malfunction	High	Medium

RESOURCES

This project is comprised by two teams, the development team and the project managers.

The project managers are the teachers involved in the project (Miguel Bugalho, Gabriel Pestana, José Braga de Vasconcelos and Jacinto Estima). They have the responsibility of managing the project and helping the development team.

The development team comprised of Bruno Ramos and Manuel Beijinho have the responsibility of completing the project as well as learning the required skills for it.

FUNCTIONAL REQUIREMENTS

This project's high priority functional requirements consist of allowing the user to create an event (scheduled to be completed by November 9, 2019), display the existing events (November 23, 2019), allow users to join existing events (scheduled to be completed by November 15, 2019) and view the events location on a map and its directions (scheduled to be completed by December 20, 2019).

In order to implement this, we'll have to create (scheduled to be completed by November 15, 2019) and connect (scheduled to be completed by November 16, 2019) a database to our website.

WBS

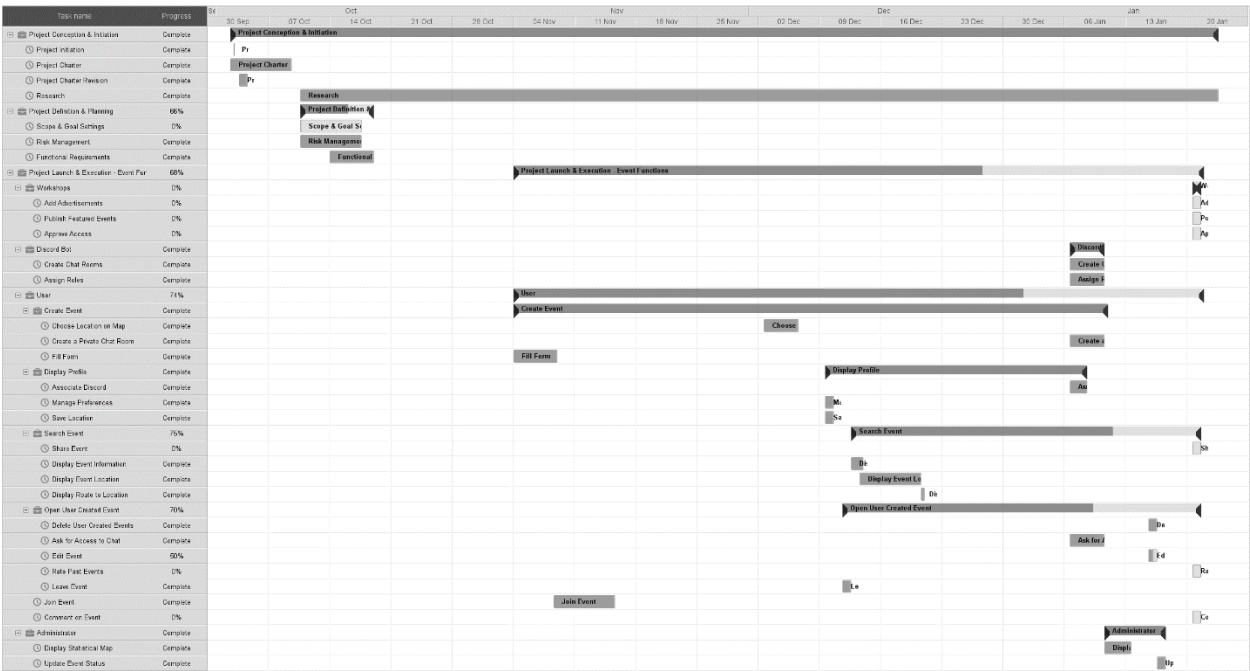
PROJECT TITLE	Group Up
PROJECT MANAGER	José Braga de Vasconcelos
MEMBERS	Manuel Beijinho & Bruno Ramos
DATE	11/5/2019

WBS NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	% of TASK COMPLETE
1	Project Conception & Initiation					
1.1	Project Charter	Manuel Beijinho	10/2/2019	10/9/2019	7	100%
1.2	Project Charter Revisions	José Vasconcelos	10/3/2019	10/9/2019	6	100%
1.3	Research	Bruno Ramos	10/3/2019	10/7/2019	4	100%
1.4	Project Initiation	Bruno Ramos & Manuel Beijinho	10/3/2019	10/4/2019	1	100%
2	Project Definition & Planning					
2.1	Scope & Goal Setting	Bruno Ramos & Manuel Beijinho	10/10/2019	10/17/2019	7	100%
2.3	Functional Requirements	Bruno Ramos	10/10/2019	10/17/2019	7	100%
2.4	Risk Management	Bruno Ramos & Manuel Beijinho	10/10/2019	10/17/2019	7	100%
3	Project Launch & Execution					
3.1	Workshops					
3.1.1	Add Advertisements	-	-	-	-	0%
3.1.2	Publish Featured Events	-	-	-	-	0%
3.1.3	Approve Access	-	-	-	-	0%
3.2	User					

3.2.1	Create Event					
3.2.1.1	Choose Location on Map	Manuel Beijinho	12/2/2019	12/6/2019	4	100%
3.2.1.2	Create a Private Chat Room	Manuel Beijinho	1/6/2020	1/10/2020	4	100%
3.2.1.3	Fill Form	Bruno Ramos	11/2/2019	11/9/2019	7	100%
3.2.2	Display Profile					
3.2.2.1	Associate Discord	Manuel Beijinho	1/6/2020	1/10/2020	4	100%
3.2.2.2	Manage Preferences	Manuel Beijinho	12/9/2019	12/10/2019	1	100%
3.2.2.3	Save Location	Bruno Ramos & Manuel Beijinho	12/9/2019	12/10/2019	1	100%
3.2.3	Search Event					
3.2.3.1	Share Event	-	-	-	-	0%
3.2.3.2	Display Event Information	Bruno Ramos	12/12/2019	12/14/2019	2	100%
3.2.3.3	Display Event Location	Manuel Beijinho	12/13/2019	12/20/2019	7	100%
3.2.3.4	Display Route to Location	Bruno Ramos & Manuel Beijinho	12/20/2019	12/21/2019	1	100%
3.2.4	User Events					
3.2.4.1	Delete User Created Events	Bruno Ramos	1/15/2020	1/16/2020	1	100%
3.2.4.2	Ask for Access to Access	Manuel Beijinho	1/6/2020	1/10/2020	4	100%
3.2.4.3	Edit Event	Manuel Beijinho	1/15/2020	1/16/2020	1	50%
3.2.4.4	Rate Past Event	-	-	-	-	0%
3.2.4.5	Leave Event	Bruno Ramos	12/11/2019	12/12/2019	1	100%
3.2.5	Join Event	Bruno Ramos & Manuel Beijinho	11/8/2019	11/15/2019	7	100%
3.2.6	Comment on Event	-	-	-	-	0%
3.3	Administrator					
3.3.1	Display Statistical Map	Bruno Ramos & Manuel Beijinho	1/10/2020	1/13/2020	3	100%

3.3.2	Update Event Status	Manuel Beijinho	1/16/2020	1/17/2020	1	100%
3.4	Discord Bot					
3.4.1	Create Chat Room	Manuel Beijinho	1/6/2020	1/10/2020	4	100%
3.4.2	Assign Roles	Manuel Beijinho	1/6/2020	1/10/2020	4	100%

WBS GANTT-CHART



REVISION HISTORY

Name	Date	Reason for changes	Version
Group Up Project	October 23, 2019	Document creation	1.0a
Project Plan	November 5, 2019	Updated the previous version to match Project Plan requirements.	1.0
Project Plan	November 12, 2019	Added WBS Gantt-Chart and revised some topics	1.1
Project Plan	January 20, 2020	Revised WBS	1.2