A2 – Actors and User Stories

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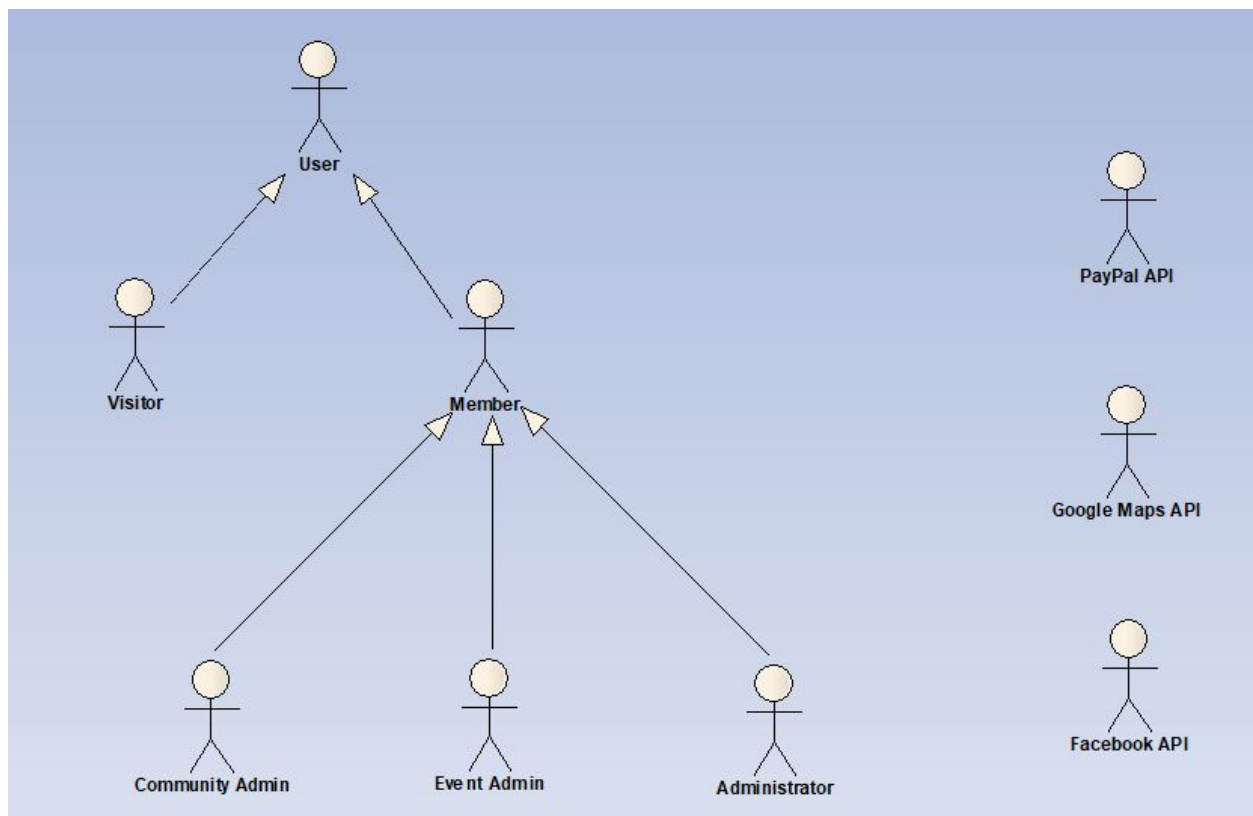 ➢ Vitor Emanuel Fernandes Magalhães – up201503447@fe.up.pt

Actors

Diagram with actors and their relationships

The following table includes details about each Actor.

Actor	Description	Example
User	Generic User. Has access to the FAQ, Contact and About pages and basic search functions.	n/a
Visitor	Unauthenticated user. A Visitor can login or register. Can search for public events and view them, but can't join them.	n/a
Member	Authenticated user. Besides searching, a Member can create and participate in an event. Can also join an event or a community.	EventFan123
Event Administrator	Privileged Member, who has full control over an event.	robertspencer
Community Administrator	Privileged Member, who has full control over a community.	hughsilva
Administrator	Privileged Member. Has full access to the website, with the ability to ban events/members.	admin
Google Maps API	External API for displaying venue location.	n/a
PayPal API	External API for payment.	n/a
Facebook API	External API for authentication and sharing events.	n/a

User Stories

User

Identifier	Name	Priority	Description
U01	Basic Search	High	As a User, I want to be able to search, so I can look for names and locations of public events.
U02	FAQ Page	Medium	As a User, I want access to the FAQ Page, so I can read the most recurring questions.
U03	Contact Page	Medium	As a User, I want access to the Contact Page, so I can contact the Administrators.
U04	About Page	Low	As a User, I want access to the About Page, so I can get more information regarding the website.

Visitor

Identifier	Name	Priority	Description
V01	Login	High	As a Visitor, I want to Login, so I can fully access the website.
V02	Register	High	As a Visitor, I want to Register, so I can have an account and become a User. I will input a username, an email and password and have my email verified with a confirmation link.
V03	Home Page	High	As a Visitor, I want access to the Home Page, so I can login and register, as well as have displayed some of the most popular events, communities and categories of the website and search for public events.
V04	Facebook Login	Low	As a Visitor, I want to login with the Facebook API, to ease my platform access.

Member

Identifier	Name	Priority	Description
M01	Home Page	High	As a Member, I want access to the Home Page, so I can access my profile, see the events I'm participating in by chronological order, get suggested events and extend my search with filters. I also want to be able to logout, create events and check my notifications bar.
M02	Create Event	High	As a Member, I want to create an Event, to be able to remind other Users of upcoming occasions and become an Event Administrator. I want a list of categories I can choose from to label the event.
M03	Create a Community	High	As a Member, I want to create a community so I can address to several Members referring to the community and become a Community Administrator.
M04	Invite Member to a public Event	High	As a Member, I want to invite a member to an Event I am participating in, to issue him a RSVP request.
M05	Logout	High	As a Member, I want to be able to log out of my account, so I can end my session.
M06	Advanced Search	Medium	As a Member, I want to use an Advanced Search, so I can filter my search by pricing, category and distance radius.
M07	Access Private Events	Medium	As a Member, I want to gain access to Private Events I've been invited to.
M08	Comment Events	Medium	As a Member, I want to make comments to any kind of Events I've access to.
M09	Add files	Medium	As a Member, I want to add files to events I've been invited to.
M10	Review	Medium	As a Member, I want to review events I've been invited to after their occurrence.
M11	Purchase Tickets	Medium	As a Member, I want to purchase tickets to paid events, by requesting the PayPal API, download them and store them in my account, so I can attend said events.

M12	Advertisements	Medium	As a Member, I want to be recommended of events I might like, taking into consideration my interests and the distance to the event's venue .
M13	Create polls	Low	As a Member, I want to create polls I've been invited to.
M14	Add a friend	Low	As a Member I want to be able to add a friend, so I easily invite them to events or communities.

Event Administrator

M01	Edit Event	High	As an Event Administrator, I want to edit an Event in which I have permissions, so I can change any of its traits.
M02	Delete Event	High	As an Event Administrator, I want to delete an Event, to erase it from the platform.
M03	Flag a comment	Medium	As an Event Administrator, I want to flag a comment as inappropriate.
M04	Kick a Member	Medium	As an Event Administrator, I want to be able to kick someone from an Event I am administrating, in case of inappropriate conduct.

Community Administrator

M01	Invite a Member to a Community	High	As a Community Administrator, I want to be able to invite a Member to a Community, so he / she can join the Community.
M02	Kick Member	High	As a Community Administrator, I want to delete a Member from the Community, to remove him/her from the Community.
M03	Delete Community	Medium	As a Member, I want to be able to delete a community to remove it from the platform.

Admin

Identifier	Name	Priority	Description
A01	Flag Event	Medium	As an Admin, I want to be able to flag any event that is considered inappropriate, so I can keep the website spam-less.
A02	Flag Comments	Medium	As an Admin, I want to flag comments, so that I can remove inappropriate commentaries.
A03	Flag a Member	Medium	As an Admin, I want to flag a Member in order to prohibit him/her from using all member features.
A04	Home Page	Medium	As an Admin, I want access to the Home Page, so I can have a button to search for Members, Events and Communities.

Annex: Supplementary Requirements

Business rules

Identifier	Name	Description
BR01	Event Permissions	Only a Member with permissions can edit or delete an event.
BR02	Event Links	Only public events can be shared in social networks.
BR03	Relationships	Only Members can have relationships with other Members and view their events.
BR04	Advertisements	Anyone can have events advertised for them.
BR05	Verify Account	An account must be verified before enabling Member features.
BR06	Event Location	Every event has a location, using the Google Maps API.

Technical Requirements

Identifier	Name	Description
TR01	Availability	The system should be available almost all the time (with an acceptable time interval of at least 99% of a 24-hour period).
TR02	Accessibility	The system should be usable by everyone, regardless of the user having any physical impairment or not.
TR03	Usability	The system should be as simple and easy to use as possible.
TR04	Performance	The system should be as lightweight as it can be, in order to keep the User engaged, without having to sacrifice functionality.
TR05	Web application	The system should be implemented as a Web application, accessible from any web browser present in an Internet-connected device. It should use Web-centric technologies, such as HTML, PHP, CSS and JavaScript.
TR06	Database	The system's User and Event databases should be stored using PostgreSQL.
TR07	Security	The system should be secure as possible, preventing unauthorised access using authentication protocols, and protecting the User against exploits, such as SQL Injection, XSS and CSRF.
TR08	Server portability	The system's Server should be able to be run using any operating system (Windows, Linux, macOS…)
TR09	Robustness	The system should be able to recover from any execution errors that might occur.
TR10	Scalability	The system should be able to handle an expected growth in the userbase, and so, a growth in the database size (in both terms of Users and Events).
TR11	Good practices/Ethics	The system should be built using good programming and ethical practices, such as hashing and salting passwords.

Identifier	Name	Description
TR12	Modern design	The system should have a visually pleasing look (done using JavaScript and CSS) to drive Users into the website and keep them engaged.
TR13	Portability	The server-side system should work across multiple platforms (Linux, Mac OS, etc.)

Restrictions

Identifier	Name	Description
C01	Deadline	The system should be ready by the end of Spring, in order to comply to the submission date.

Changes made to the first submission:
1. Added more Actors to the diagram and detailed each;
2. Identification of the APIs usages;
3. Improved home pages descriptions;
4. Improved overall text;
5. Added notification bar;
6. Buddies are only used for easier invitations;
7. Recommendations adapt to similar events and categories;
8. Admins can flag events or Members as invalid;
9. Added email account validation;
10. Admins will have their own search;
11. When creating an event, a Member has a list of categories to choose from;
12. Visitors will have a list of the most famous categories and events displayed;
13. Members' History will have information about tickets purchased, including a PDF download option.