A picture containing text, map

Description automatically generated

2.

**Mentorship Network Software**

**Author (s): Gabriel Garcia Leyva, Jaisal Friedman, Daniel Watson Date: 12/10/2019**

**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Registration | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-001 | | **Business Requirements: 🗹** |
| **PRIORITY:** | High | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Board Member | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | N/A | | |
| **SHORT DESCRIPTION:** | When users interact with the Mentorship Network website a state is kept on the database. When board members access the Mentorship Network website, they are prompted to input their username and password, which if successful leads to the board member been granted to the main page. Once the board member is done using the website, they logout of their session and the state is updated. | | |
| **PRE-CONDITION:** | The board member collection needs to be updated, the website is live | | |
| **TRIGGER:** | A board member access the website | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The board member inputs their username and password | **Step 2**: The System checks the username and password and if correct updates the status of the user session to logged in and records a timestamp | |
|  | **Step 3**: The board member is done with their session and logouts | **Step 4**: The system updates the status of the user session to logged out and records a timestamp | |
| **ALTERNATE COURSES:** | **Step 2a:** The system finds an incorrect username or password. It returns “Error! Wrong username or password”. Then the user is allowed to re-try logging in. | | |
| **CONCLUSION:** | The use case concludes when the user is successfully logged out by the system or finished attempting to login. | | |
| **POST-CONDITION:** | The system has updated the user session to logged out | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

**Mentorship Network Software**

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Update Database | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-002 | | **Business Requirements: 🗹** |
| **PRIORITY:** | High | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Admin | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | N/A | | |
| **SHORT DESCRIPTION:** | Admins are the only board members that are allowed to update the database. They are in charge of adding entries to the database and of removing any non-relevant or mistaken entry from the database. | | |
| **PRE-CONDITION:** | The admin is logged in into the system | | |
| **TRIGGER:** | The admin accesses the database in the admin page | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The admin adds a new single entry or a batch of entries to the database | **Step 2**: The System checks that the entry/ies are not duplicated and updates the database accordingly | |
| **ALTERNATE COURSES:** | **Actor Action** | **System Response** | |
|  | **Step 1a**:The admin removes one or several entries from the database | **Step 2a**: The System removes the entry/ies and updates the database accordingly | |
|  | **Step 1b:** The system receives incorrectly formatted data and ends the process. | | |
| **CONCLUSION:** | The use case concludes when the admin stops adding/removing entry/ies to/from the database | | |
| **POST-CONDITION:** | The System has updated the database after the additions/removals | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Download Database | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-003 | | **Business Requirements: 🗹** |
| **PRIORITY:** | Low | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Board Member | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | N/A | | |
| **SHORT DESCRIPTION:** | All boards members can download the database as a CVS. | | |
| **PRE-CONDITION:** | The database needs to be updated to the latest version and the board member needs to be logged in | | |
| **TRIGGER:** | A board member is in the homepage | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The board members clicks the “download database” button | **Step 2**: The System turns the non-sql database into a CSV and moves it to the local downloads folder. | |
| **ALTERNATE COURSES:** | **N/A** | | |
| **CONCLUSION:** | The use case concludes when the user has successfully downloaded the database CSV file | | |
| **POST-CONDITION:** | The database CSV is not corrupted and can be opened in the board member’s computer | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Display Database | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-004 | | **Business Requirements: 🗹** |
| **PRIORITY:** | Medium | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | System | | |
| **OTHER PARTICIPATING ACTORS:** |  | | |
| **OTHER INTERESTED STAKEHOLDERS:** | Board Member | | |
| **SHORT DESCRIPTION:** | The database is displayed in the home page. | | |
| **PRE-CONDITION:** | The board member is logged in | | |
| **TRIGGER:** | A board member access the home page | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The System requests the database from the back end | **Step 2**: The System renders the database from the back end and displays it in the front end | |
| **ALTERNATE COURSES:** | **N/A** | | |
| **CONCLUSION:** | The use case concludes when the database is successfully rendered | | |
| **POST-CONDITION:** | The system continues to render the database until needed | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Check Database | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-005 | | **Business Requirements: 🗹** |
| **PRIORITY:** | High | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Board Member | | |
| **OTHER PARTICIPATING ACTORS:** | System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | N/A | | |
| **SHORT DESCRIPTION:** | The board member can check the database in two different ways. It can query the database for a set or a subset of results matching its condition, or it can filter by type (mentors, mentees, etc.) | | |
| **PRE-CONDITION:** | The board member is logged in and the database is updated | | |
| **TRIGGER:** | A board member access the home page | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The board member queries the database | **Step 2**: The System updates the displayed database based on the filtering criteria | |
| **ALTERNATE COURSES:** | **Actor Action** | **System Response** | |
|  | **Step 1**: The board member filters the database by type (mentor, mentee, etc.) | **Step 2**: The System updates the displayed database based on the filtering criteria | |
| **CONCLUSION:** | The use case concludes when the board member is done checking the database | | |
| **POST-CONDITION:** | The system continues to render the database until needed | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

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| --- | --- | --- | --- |
| **USE CASE NAME:** | Send email | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-006 | | **Business Requirements: 🗹** |
| **PRIORITY:** | Medium | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Board Member | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | N/A | | |
| **SHORT DESCRIPTION:** | Board members can send emails to subgroups in the database; i.e., they can send emails to all mentors, all mentees, all members or individual emails. | | |
| **PRE-CONDITION:** | The board member is logged in and the database is updated | | |
| **TRIGGER:** | A board member is on the home page | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The board member inputs the body of the email, the recipients and sends the email | **Step 2**: The System sends the email from a preset Gmail account to all the recipients. | |
| **ALTERNATE COURSES:** | **N/A** | | |
| **CONCLUSION:** | The use case concludes when the board member is finished sending emails | | |
| **POST-CONDITION:** | The system has processed all the emails out of the outbox and sent them | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Generate Statistics | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-007 | | **Business Requirements: 🗹** |
| **PRIORITY:** | Medium | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Board Member | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | N/A | | |
| **SHORT DESCRIPTION:** | The board member requests the system to generate statistics based on the data in the database (how many nationalities, mentors per industry, gender balance, etc.) | | |
| **PRE-CONDITION:** | The board member is logged in and the database is updated | | |
| **TRIGGER:** | A board member is on the home page | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The board member requests the System to generate statistics by pressing the generate statistics button | **Step 2**: The System generates a set of statistics based on the information in the database and renders it in the front end for the user to see | |
| **ALTERNATE COURSES:** | **N/A** | | |
| **CONCLUSION:** | The use case concludes when the statistics are successfully generated | | |
| **POST-CONDITION:** | The system has recorded the latest statistics | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Edit Users | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-008 | | **Business Requirements: 🗹** |
| **PRIORITY:** | High | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Admin | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | Board Member | | |
| **SHORT DESCRIPTION:** | The admins are the only ones with the right to add or delete other board members. They can add new board members by adding their personal information and they can delete old board members from the board members collection. | | |
| **PRE-CONDITION:** | The admin is logged in and the board member collection is updated | | |
| **TRIGGER:** | An admin accesses the admin page | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The admin fills out the information of the new board member and/or admin and clicks the add button | **Step 2**: The System updates the Board Member and/or Admin collection/s with the new entry | |
| **ALTERNATE COURSES:** | **Actor Action** | **System Response** | |
|  | **Step 1**: The admin removes the old board member and/or admin from the database | **Step 2**: The System updates the Board Member and/or Admin collection/s by removing the old board member/admin | |
| **ALTERNATE COURSES:** | **N/A** | | |
| **CONCLUSION:** | The use case concludes when the admin is done adding/removing board members | | |
| **POST-CONDITION:** | The System has updated the database after the additions/removals | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Submit Match Request | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-009 | | **Business Requirements: 🗹** |
| **PRIORITY:** | High | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Student | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | Admin | | |
| **SHORT DESCRIPTION:** | Students can submit match requests to be paired with mentors. The student looks at the mentor profiles and clicks on the mentor profile they want to connect with to submit a match request. | | |
| **PRE-CONDITION:** | The mentor profiles are updated | | |
| **TRIGGER:** | A student accesses the Match Request page | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The student looks through the mentor profiles and chooses one | **Step 2**: The System shows a new window that allows the student to input their name, net id and reason to connect | |
|  | **Step 3**: The student fills out all the necessary fields and clicks the submit button | **Step 4**: The system logs the match requests and updates the match requests collection | |
| **ALTERNATE COURSES:** | **N/A** | | |
| **CONCLUSION:** | The use case concludes when the student has submitted their match request | | |
| **POST-CONDITION:** | The system has updated the match requests collection | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |

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**Version: 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE NAME:** | Resolve Match Request | | **USE CASE TYPE** |
| **USE CASE ID:** | MNS-010 | | **Business Requirements: 🗹** |
| **PRIORITY:** | High | |  |
|  | | |  |
| **PRIMARY BUSINESS ACTOR:** | Admin | | |
| **OTHER PARTICIPATING ACTORS:** | * System | | |
| **OTHER INTERESTED STAKEHOLDERS:** | Student | | |
| **SHORT DESCRIPTION:** | An admin resolves the match requests, by either rejecting them or accepting them. If accepted, the admin sends an email to the student and the mentor to put them in contact | | |
| **PRE-CONDITION:** | There are match requests available for the admin to resolve | | |
| **TRIGGER:** | An admin accesses the admin page to resolve match requests | | |
| **TYPICAL COURSE** | **Actor Action** | **System Response** | |
| **OF EVENTS:** | **Step 1**: The admin decides whether to accept or deny a match request and deletes from the collection | **Step 2**: The System removes the match request and deletes it from the match request collection. | |
| **ALTERNATE COURSES:** | **Actor Action** | **System Response** | |
|  | **Step 3**: If the match request is accepted the admin sends an email to the student and to the mentor introducing them to each other | **Step 4**: The system sends an email to the student and the mentor from using the send email use case paradigm. | |
| **CONCLUSION:** | The use case concludes when the admin is done resolving use cases and sending emails | | |
| **POST-CONDITION:** | The system has updated the match request collection and sent all the emails | | |
| **BUSINESS RULES:** | * The system requires the Board Members to identify themselves using their net ID * The Board Member shall be able to view all the information in the database, send emails and generate statistics, but only Admins can edit the entries in the database | | |
| **IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:** | * Any user who uses the system shall be a registered in the Board Members Collection | | |
| **ASSUMPTIONS:** | * The Board Members Collection is updated and there is at least an Admin * The system is online at all times | | |
| **OPEN ISSUES:** | N/A | | |