

Project report

Report No: 3

Report Date: 08-01-2022

Project Title: Project Management System

Company Name: Quixom Technology

Tools/Technology: VS Code, Django, HTML/CSS, JavaScript

Work Done: 1. Gantt chart

2. Diagrams

3. Data dictionary

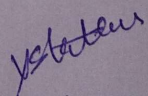
4. ER diagram

Submitted By: Sagar Koshti (MA009)

Remarks (External Guide), if any

Remarks (Internal Guide), if any

Prof. Purvi N. Jados
Associate Professor,
MCA Department,
Desai University Nadiad


Ydgendra Katewa
Django Developer, Python Developer
Quixom Technology Dharmsinh

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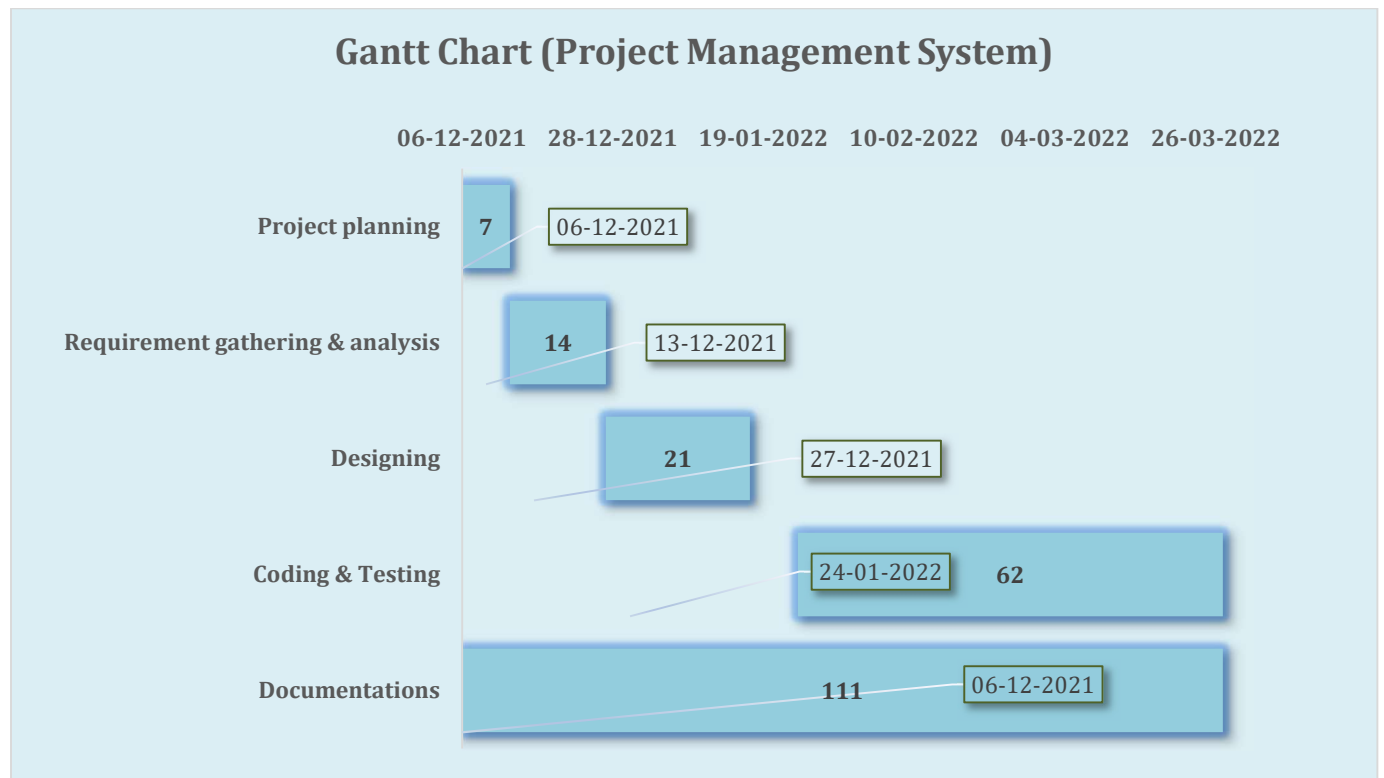
Yogendra Katawe

Django Developer, Python Developer

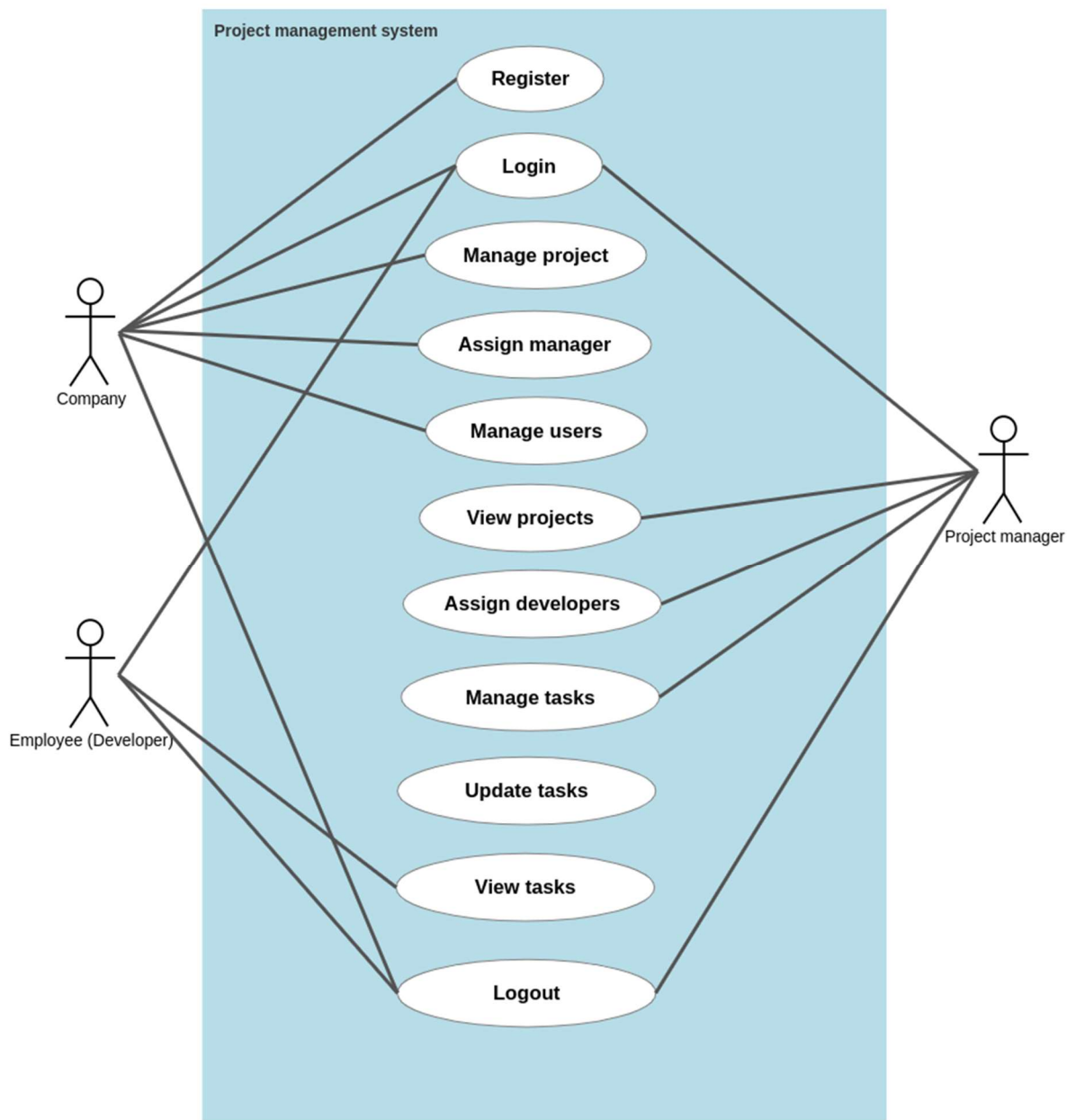
Quixom Technology

Gantt chart

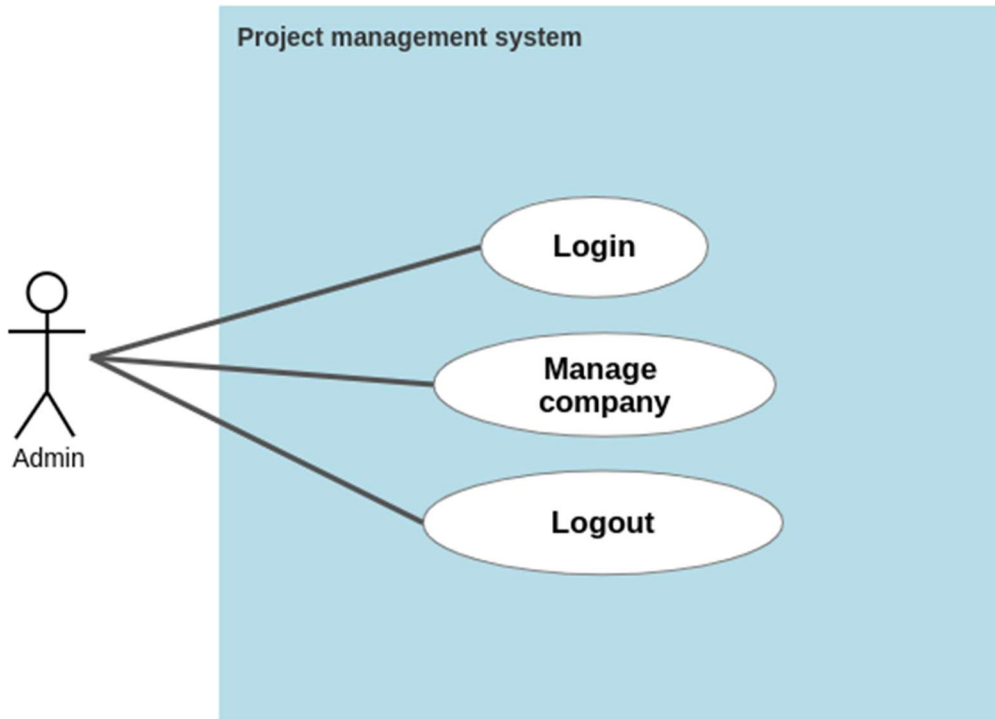
Task/Time	Start	End	Duration (Days)
Project planning	06-12-2021	12-12-2021	7
Requirement gathering & analysis	13-12-2021	26-12-2021	14
Designing	27-12-2021	23-01-2022	21
Coding & Testing	24-01-2022	26-03-2022	62
Documentations	06-12-2021	26-03-2022	111



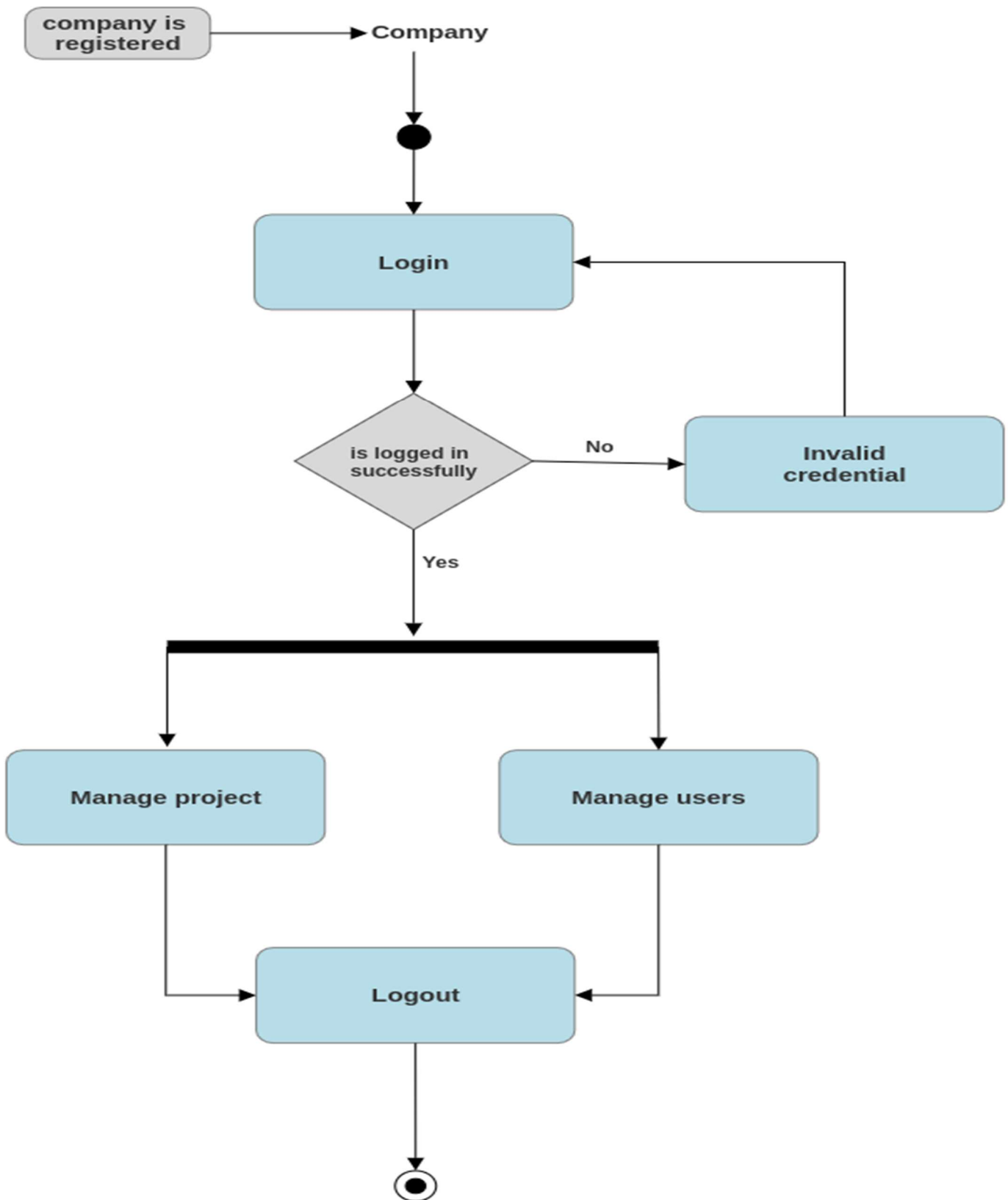
Use case



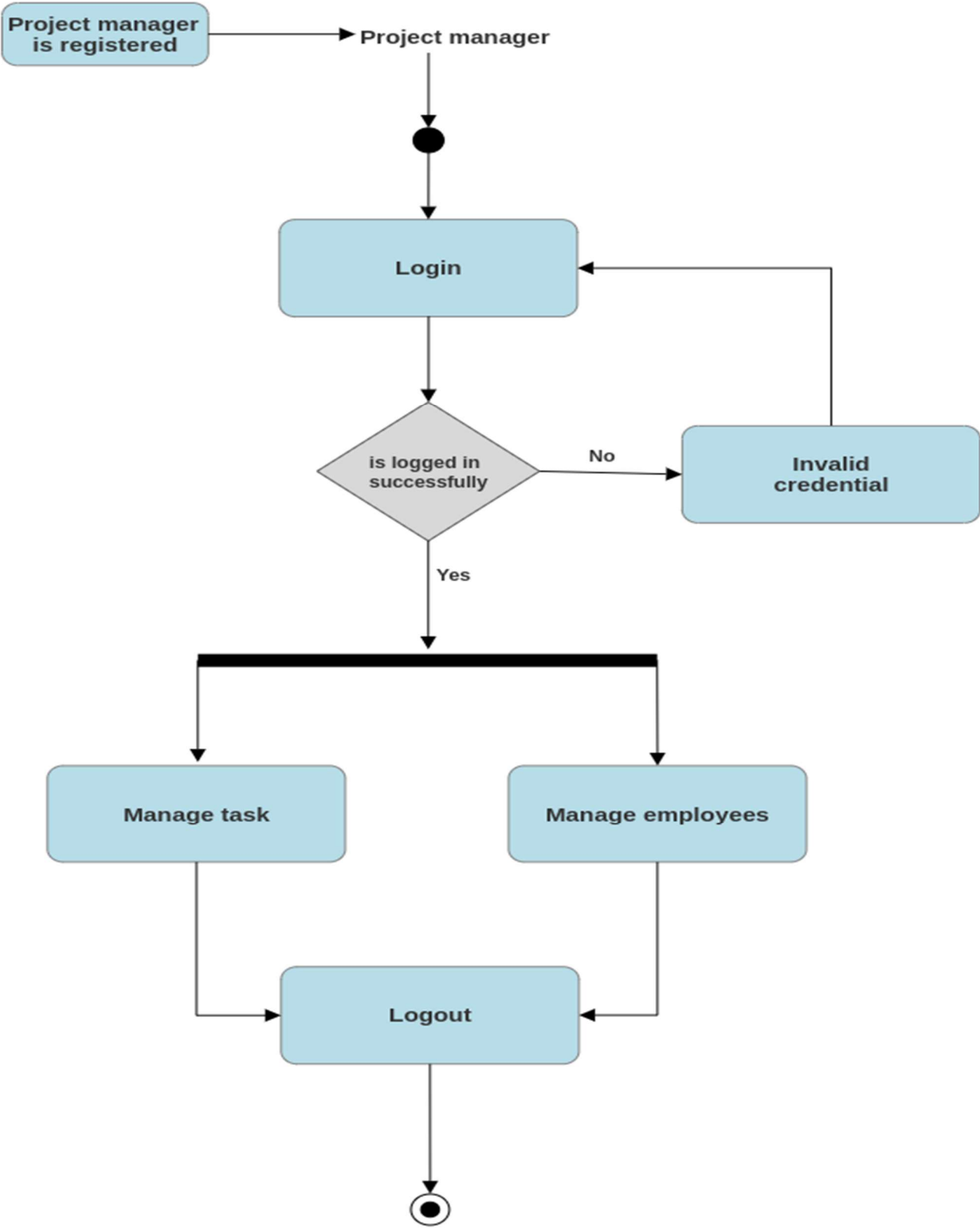
Admin Use case diagram



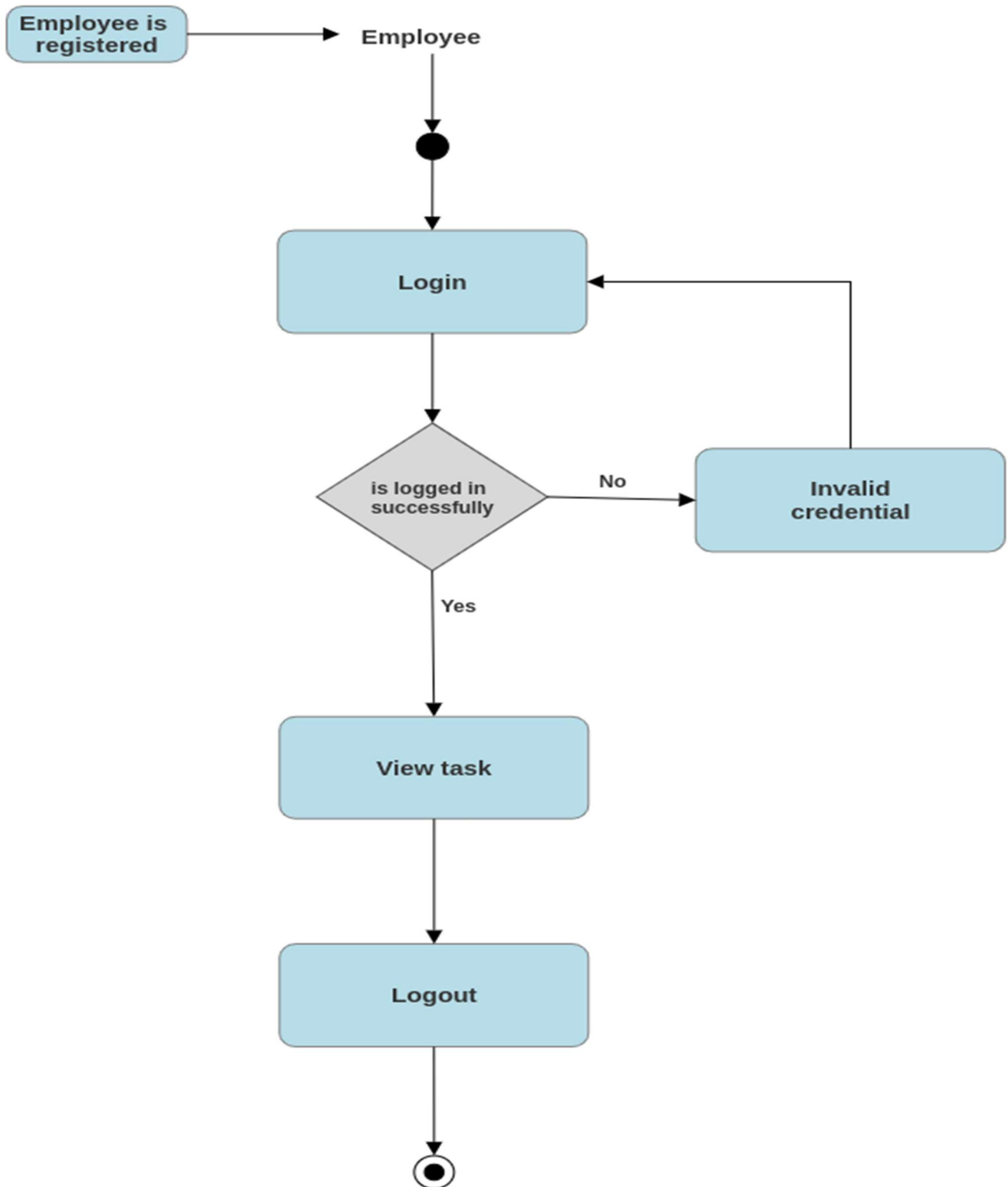
Company (Activity Diagram)



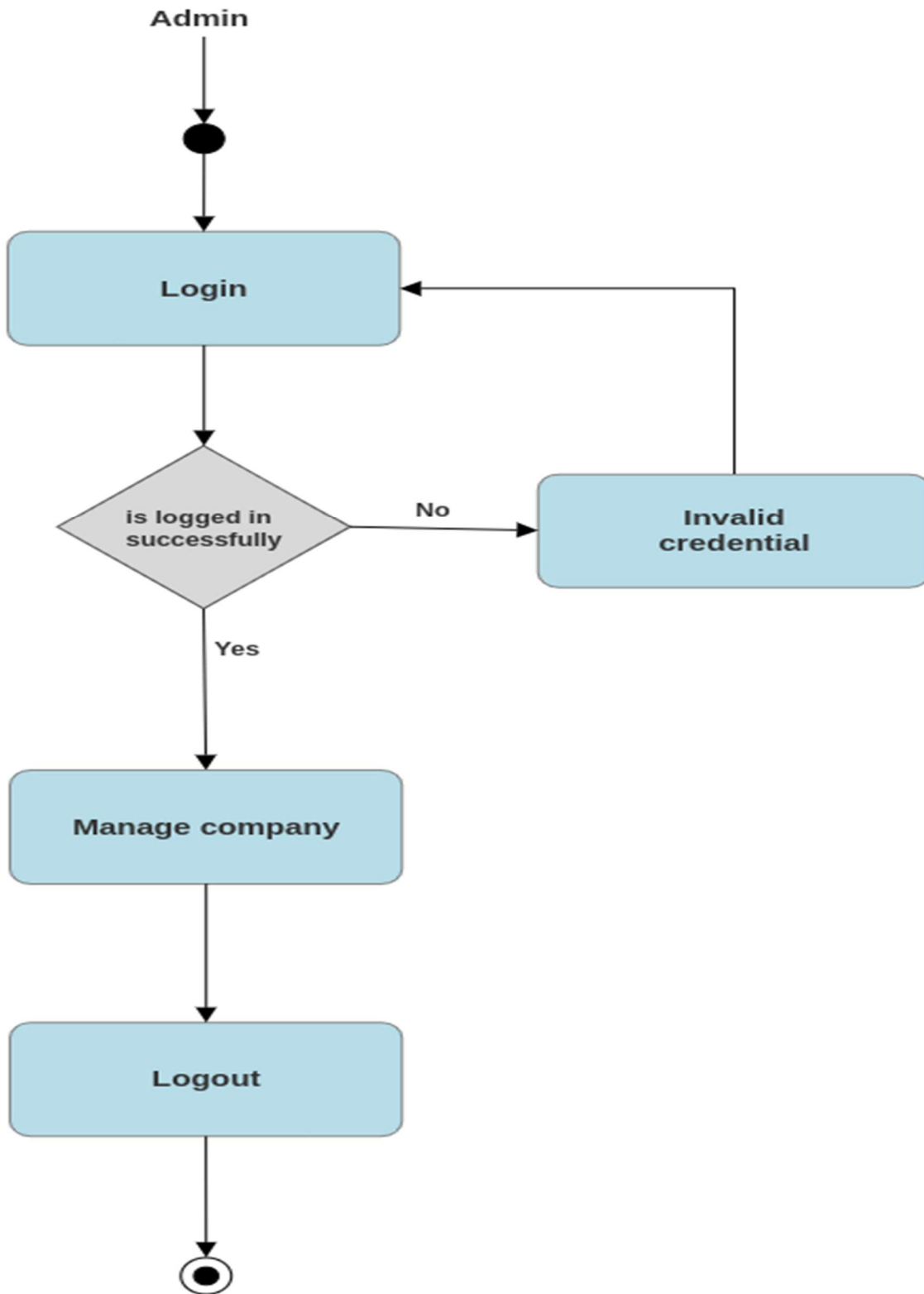
Project manager (Activity Diagram)



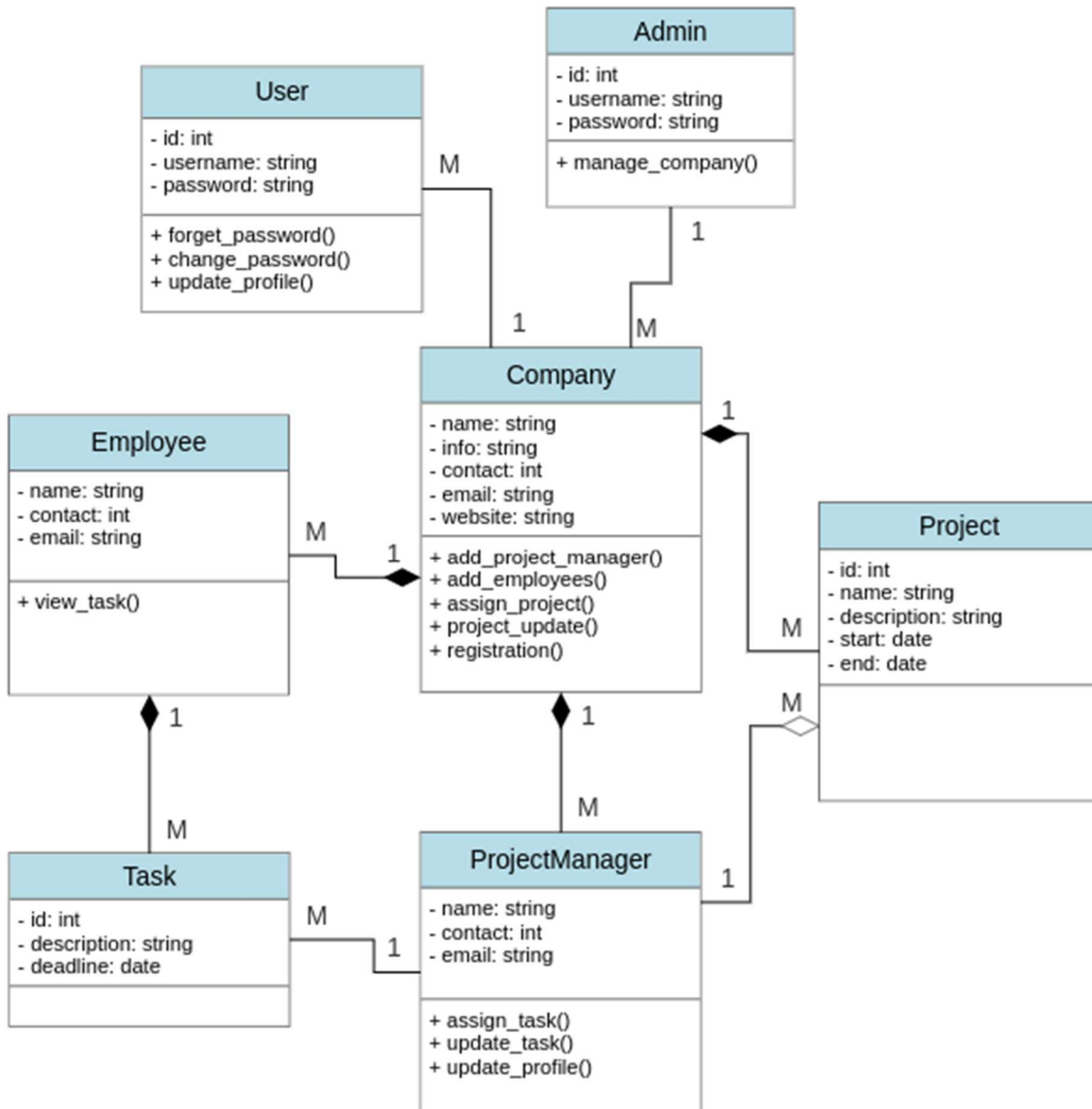
Employee activity (Activity Diagram)



Admin (Activity Diagram)

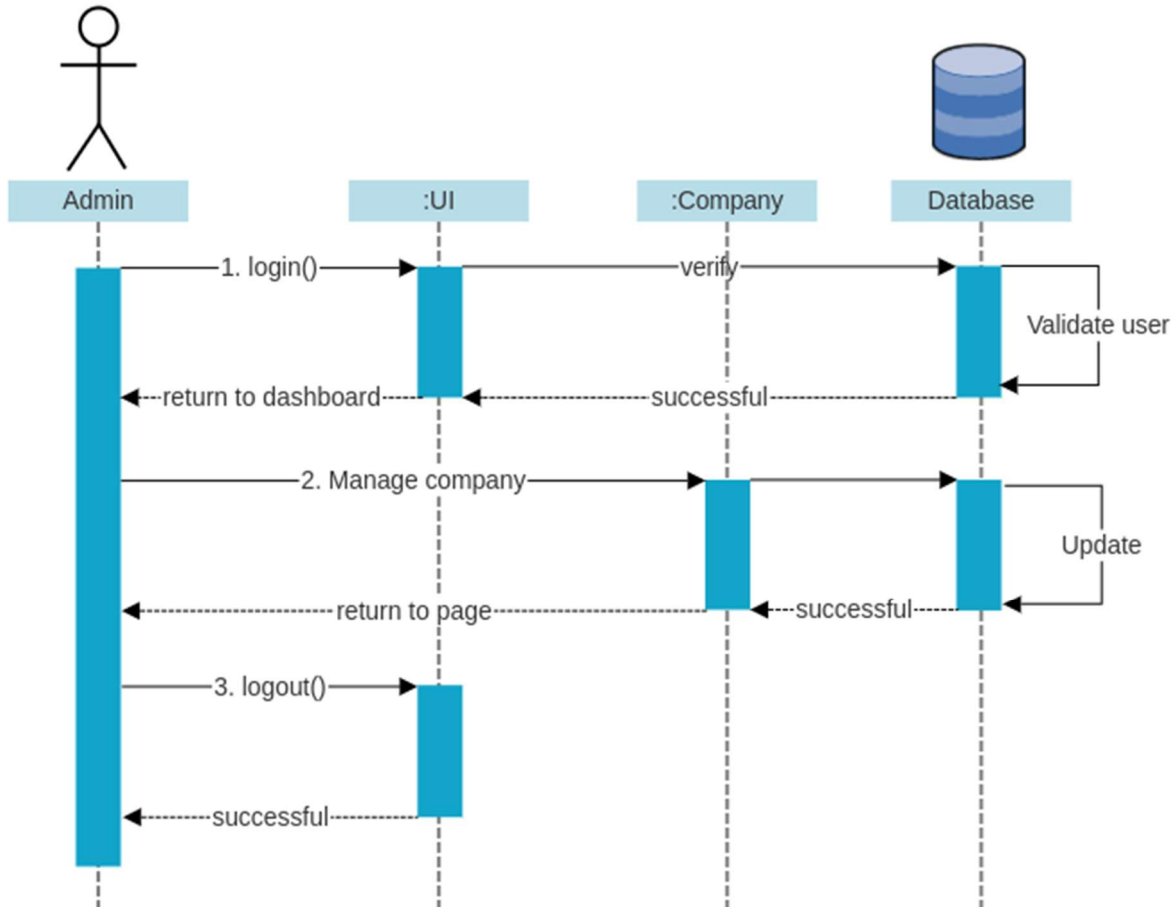


Class diagrams

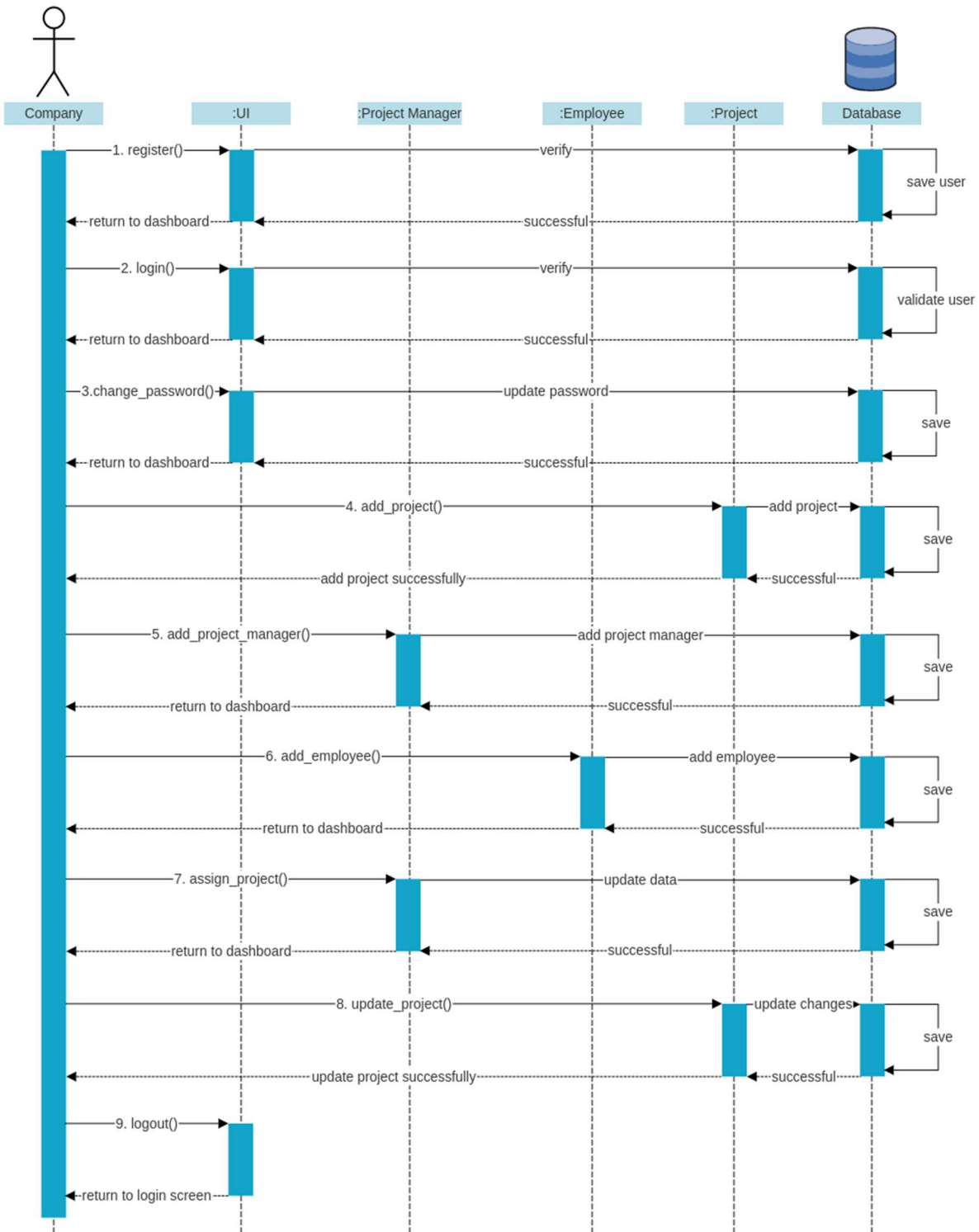


Sequence diagram

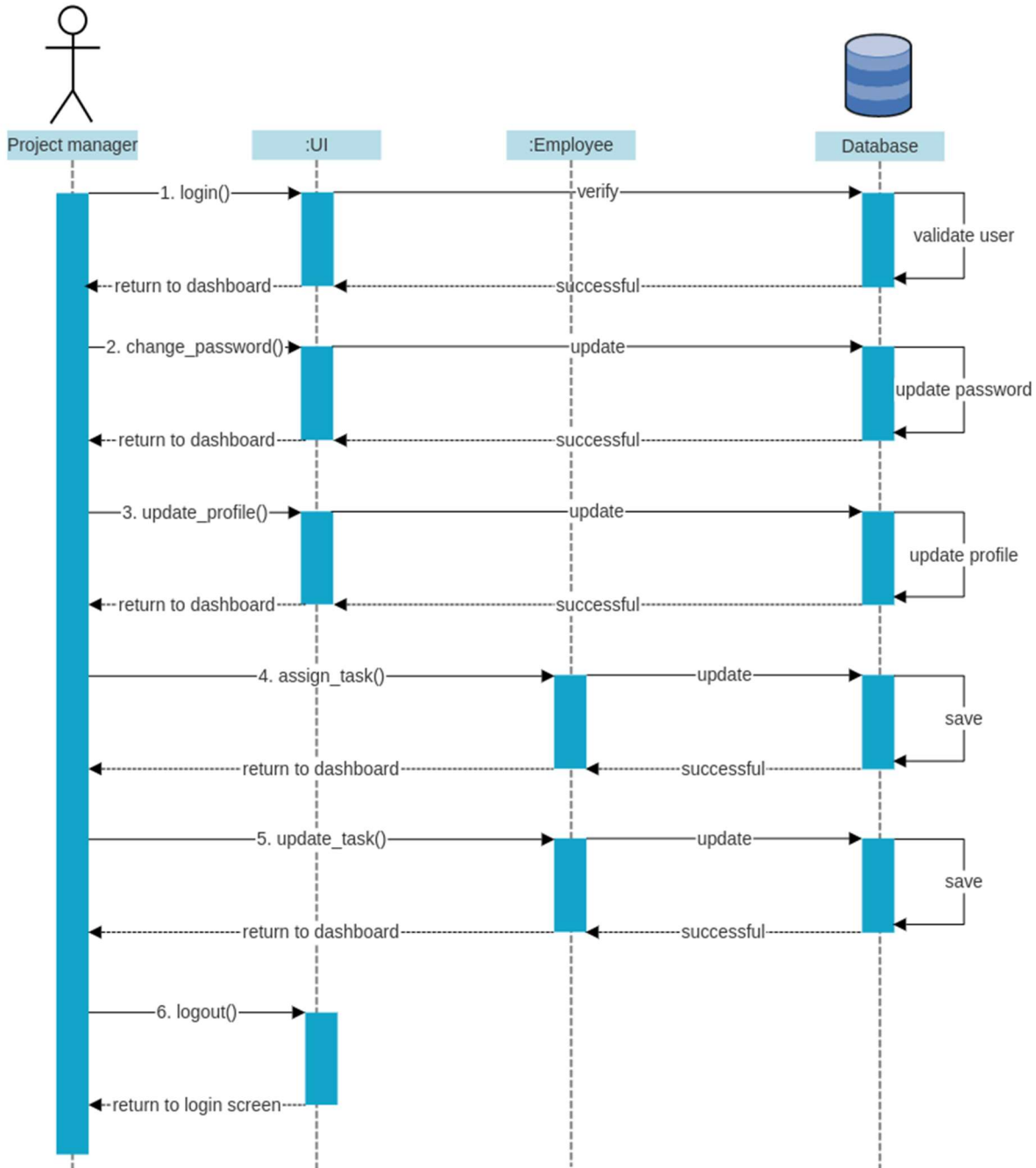
Admin



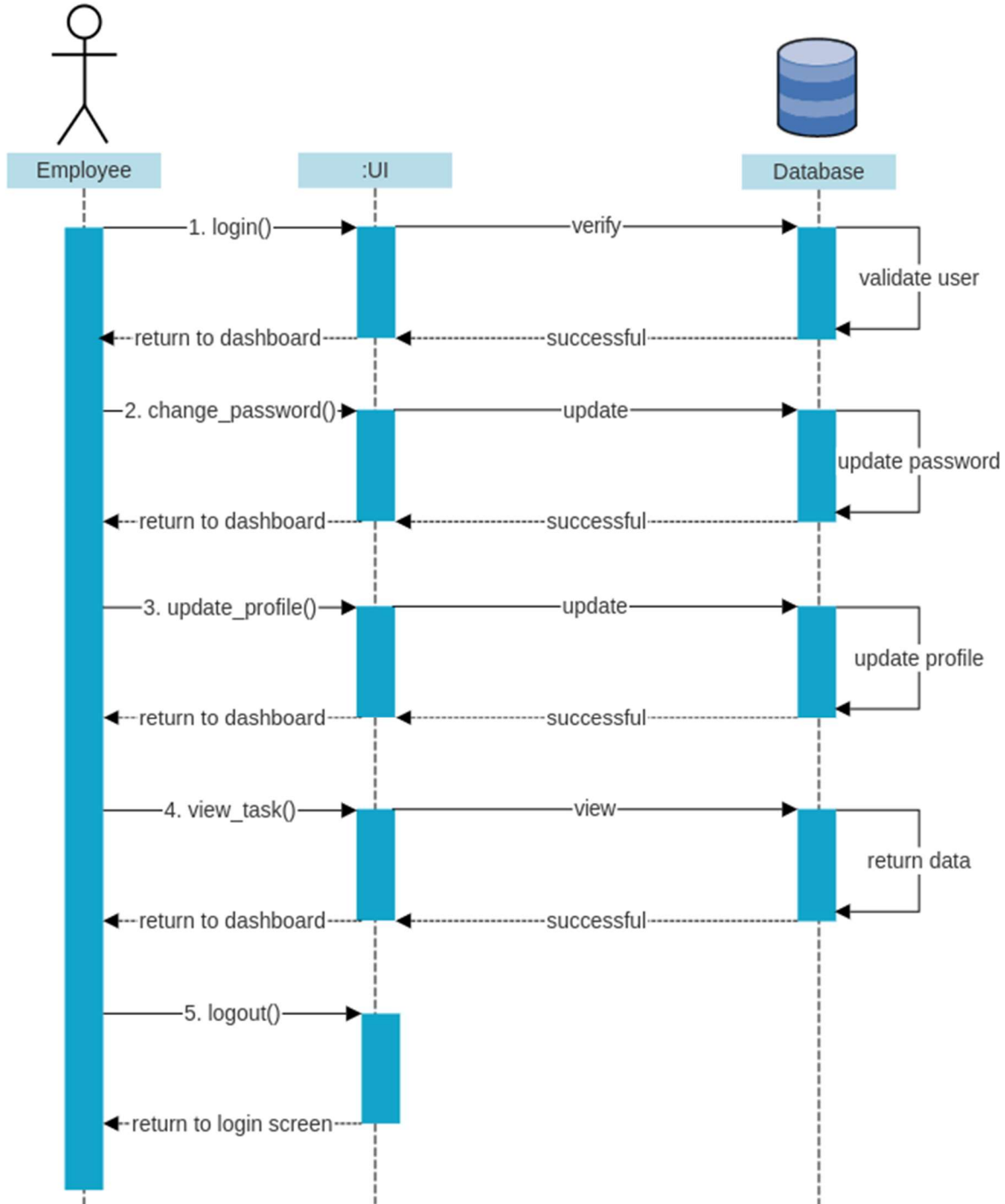
Company



Project manager



Employee



Data Dictionary

1. Company:

Field name	Field type	Field size	Constraint	Description
c_id	Int	7	Primary key	This field stores PK of the company.
c_name	Varchar	30	Not null	This field stores name of the company.
c_info	Varchar	200	Not null	This field stores information about a company.
c_contact	Long int	10	Not null	This field stores the contact number of the company.
c_email	Varchar	30	Not null	This field stores the email id of the company.
c_website	Varchar	50	Not null	This field stores the website of the company.
c_username	varchar	20	Not null	This field stores the username of the company.
c_password	varchar	20	Not null	This field stores the password of the company.

2. Project manager:

Field name	Field type	Field size	Constraint	Description
pm_id	Int	7	Primary key	This field stores the PK of the manager.
pm_name	Varchar	30	Not null	This field stores the name of the project manager.
pm_contact	Long int	10	Not null	This field stores the contact number of the project manager.
pm_email	Varchar	30	Not null	This field stores the email-id of the project manager.
pm_username	Varchar	20	Not null	This field stores the username of the project manager.
pm_password	Varchar	20	Not null	This field stores the password of the project manager.

3. Project:

Field name	Field type	Field size	Constraint	Description
p_id	Int	7	Primary key	This field stores the PK of the project.
c_id	Int	7	Foreign key	PK of the Company table stores the id of the company.
p_name	Varchar	30	Not null	This field stores the name of the project.
p_description	Varchar	100	Not null	This field stores the description of the project.
p_start	Date		Not null	This field stores the starting date of the project.
p_end	Date		Not null	This field stores the ending date of the project.
pm_id	Int	7	Foreign key	PK of Project_manager stores the id of the project manager.

4. Employee:

Field name	Field type	Field size	Constraint	Description
em_id	Int	7	Primary key	This field stores the PK of the employee.
em_name	Varchar	30	Not null	This field stores name of the employee.
em_contact	Long int	10	Not null	This field stores the contact number of the employee.
em_email	Varchar	30	Not null	This field stores the email-id of the employee.
em_username	Varchar	20	Not null	This field stores the username of the employee.
em_password	Varchar	20	Not null	This field stores the password of the employee.

5. Project_assignment:

Field name	Field type	Field size	Constraint	Description
pa_id	Int	7	Primary key	This field stores the PK of the project assignment.
p_id	Int	7	Foreign key	The PK of the Project table stores the id of the project.
pm_id	Int	7	Foreign key	PK of Project_manager stores the id of the project manager.
pa_description	Varchar	200	Not null	This field stored information of the project assignment.

6. Project_update:

Field name	Field type	Field size	Constraint	Description
pu_id	Int	7	Primary key	This field stores the Pk of the project update.
p_id	Int	7	Foreign key	The PK of the Project table stores the id of the project.
pm_id	Int	7	Foreign key	PK of Project_manager stores the id of the project manager.
pu_description	Varchar	200	Not null	This field stored information of the project updates.

7. Task assignment:

Field name	Field type	Field size	Constraint	Description
t_id	Int	7	Primary key	This field stores the PK of the task.
p_id	Int	7	Foreign key	PK of the Project table stores the id of the project.
e_id	Int	7	Foreign key	PK of the Employee table stores the id of the Employee.
t_description	Varchar	200	Not null	This field stored information of the task.
t_deadline	Date		Not null	This field stored the deadline of the task.

8. Admin:

Field name	Field type	Field size	Constraint	Description
id	Int	7	Primary key	This field stores the PK of the admin.
username	Varchar	30	Not null	This field stores the username of the admin.
password	Varchar	20	Foreign key	This field stores the password of the admin.

ER Diagram

