TIME LOGGER

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INTRODUCTION

- A tool used by managers, employees and clients to record or analyze worked hours for billing, payroll or operations.

- Capture time spent on assigned tasks and use payment gateway for customer subscription for the system.

- Provide insights on your operations, such as, which tasks are completed and which are ongoing, allowing users to plan project accordingly.

- Time logger system is a web application developed on Django framework.

OBJECTIVE

- To keep records of project and tasks assigned to number of employees

- To manage the task by assigning task to the employee by admin

- To keep track of time spent in each task by analyzing them by admin and client

- To analyze the work by line chart

PROBLEM STATEMENT

- The conducted surveys revealed that **89 percent of people admit to wasting time at work every single day**. (Pros and Cons of time tracking system, 2017)

- this survey was supported by data from salary.com in 2014, which concludes that 4% of people surveyed waste at least half the average workday on non-work-related tasks. Half. **(Conner, Jul 31, 2015)**

EXISTING SYSTEM

- Reports
  - Virtual desktops and project-time tracking - Roland Heumesser, 2003
  - System And Method To Measure, Aggregate And Analyze Exact Effort And Time Productivity - Shirish Prabhakar Deodhar, Swati Shirish Deodhar, Madhukar Sharan Bhatia, 2010

- Systems
  - Toggl - 2017
  - Time Doctor - 2012
  - Time Camp - 2009

SYSTEM SPECIFICATION

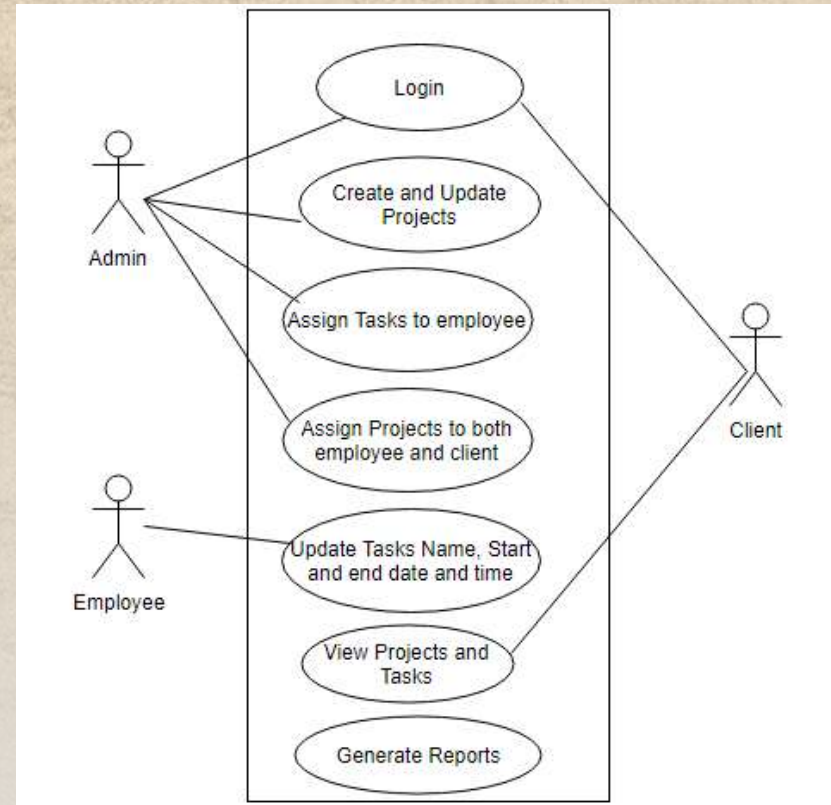| Hardware Specification	Software Specification
1 GB Ram	Python 3.6.* SQlite 3 Django==1.11.17
Processor 1.3	Nginx or Apache astroid==2.1.0 certifi==2018.11.29 chardet==3.0.4 Click==7.0 colorama==0.4.1 django-appconf==1.0.2 django-bootstrap3==11.0.0 django-newsletter==0.7 django-paypal==0.2.5 django-user-accounts==2.1.0

FRONT END AND BACK END TOOLS

- HTML
- CSS
- JS
- BOOTSTRAP

- Python
- Django Framework
- SQLite

UML DIAGRAM

- User is of 3 types – admin, employee and client

- Only admin can add project

- Both admin and employee can add tasks

- All users can view assigned tasks and projects where admin can view every tasks and projects in the system.
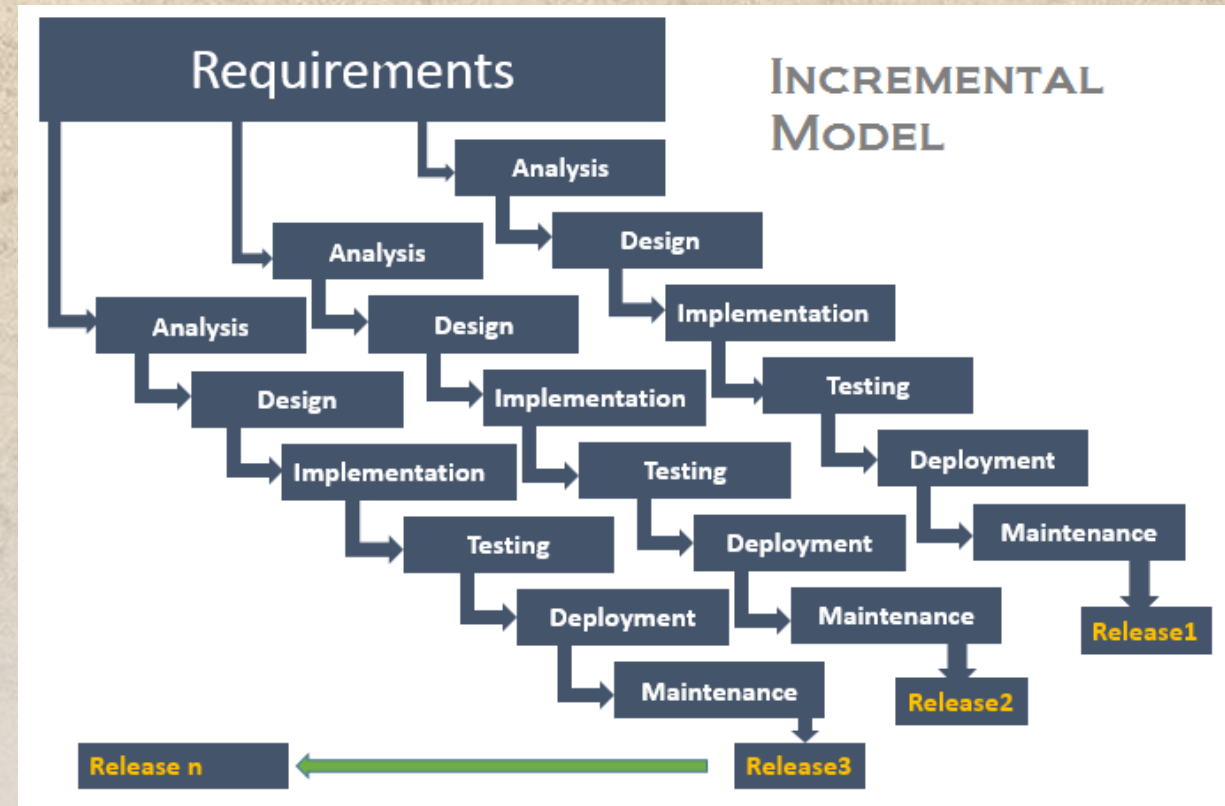

Use case Diagram

SYSTEM IMPLEMENTATION APPROACH

TL is the client based project so all the requirements were not clear in the beginning of the project. The requirements were being added as the project was going on. Thus, all the requirements were added one by one as they were emerging with all the required activity like design, code, test, and integrate.

SYSTEM TESTING

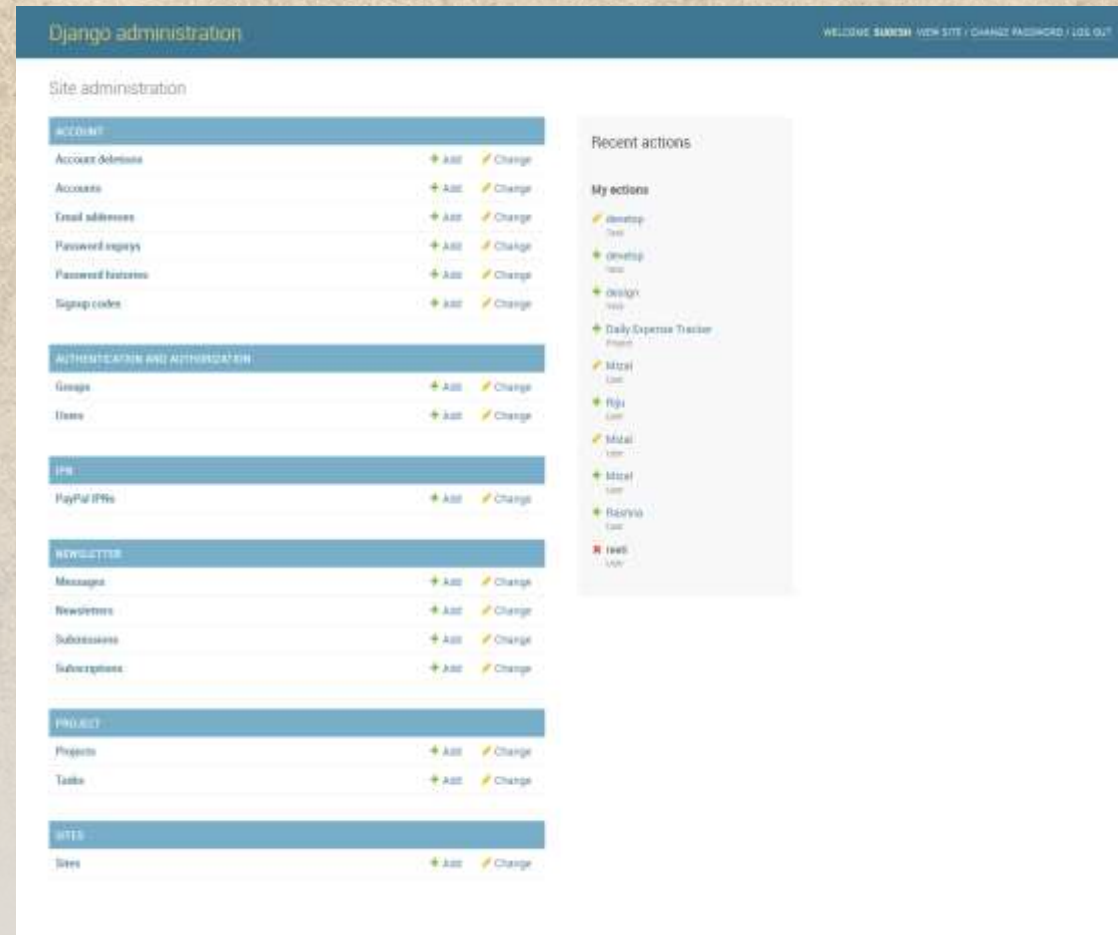| SN	Test Case Id	Test description	Input test data	Expected Result	Actual Result	Remarks
1	TC-LG-01	Enter valid data in username and password field	rashna *********	Show home page for user Rashna	Displayed dashboard page for user Rashna	pass
2	TC-PRJ	Add project by the admin	Go to project page and input project name with the client and employee to be assigned	Add Project with respective client and employee assigned	Project Added and show up on the list	Pass
3	TC-AT-01	Add task by the employee	Add all the credentials needed	Update database with the tasks with respective project	Showed added task under respective project	Pass
4	TC-LGO-01	Logout from the dashboard	Click logout and click confirm button	URL redirection to logout confirmation and then to base page	Redirection to logout confirmation and then to base page	pass

CONCLUSION

- solution for tracking working sequence and work time

- helps for better productivity of the organization or company in terms of time consumed by employees to finish their tasks

- analyze the target rate of the goals by the work rate and number of tasks done under deadline

SCREENSHOTS

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