

**PROJECT TEAM: GPS-V**

PROJECT NAME: CAR RENTAL PROJECT

CLASS: CMPE-202 SOFTWARE SYSTEMS ENGINEERING

SPRINT BREAKDOWN	TITLE		DESCRIPTION	OWNERS	STATUS	AMOUNT OF WORK IN HOURS			SPRINT	START DATE	DUE DATE	DURATION DAYS	% OF TASK
	Sprint Title(1,2,3 ...) Task Title(1.1,1.2,2.1 ...) Subtask (1.1.1 ..)					ESTIMATE	COMPLETED	REMAINING					COMPLETED
1	Set up and Team Formation		Sprint-1: Identifying and grouping of Project Team. Setting up git		Closed	52	52	0	1				100%
1.1	Requirements Analysis		We decided what the high level requirements are	All	Finished	12	12	0	1	2/27/2020	3/2/2020	5	100%
1.2	Deciding time		Planning timeline of the project	Gulya Timokhina	Finished	10	10	0	1	2/27/2020	3/2/2020	5	100%
1.3	Sprint meeting schedules		Decided when we were going to be meeting regularly	Poornapragna Vadiraj	Finished	10	10	0	1	2/27/2020	3/2/2020	5	100%
1.4	Framework analysis (Design pattern)		We reread the requirements and brainstormed the possible design patterns that it can have	Mirsaeid Abolghasemi	Finished	10	10	0	1	2/27/2020	3/2/2020	5	100%
1.5	Create Github Repo and meeting notes		-	Varun Bhaseen	Finished	10	10	0	1	2/27/2020	3/2/2020	5	100%
2	Initial Architecture-1		Sprint-2: Requirement Analysis and Requirement Engineering		Closed	40	40	0	2				100%
2.1	Create initial Class Diagrams			Mirsaeid Abolghasemi	Finished	10	10	0	2	3/5/2020	3/9/2020	5	100%
2.2	Create initial Sequence Diagrams (System Administrator)			Varun Bhaseen	Finished	10	10	0	2	3/5/2020	3/9/2020	5	100%
2.3	Create initial Data Flow Diagrams (System Admin and Users)			Gulya Timokhina	Finished	10	10	0	2	3/5/2020	3/9/2020	5	100%
2.4	Create initial Activity Diagrams			Poornapragna Vadiraj	Finished	10	10	0	2	3/5/2020	3/9/2020	5	100%
3	Initial Architecture-2		Sprint-3: Requirement Analysis and Requirement Engineering		Closed	40	40	0	3				100%
3.1	Create Class Diagrams v2		We changed the architecture a little (based on requirements)	Mirsaeid Abolghasemi	Finished	10	10	0	3	3/12/2020	3/16/2020	5	100%
3.2	Create Sequence Diagrams (System Administrator) v2		We changed the architecture a little (based on requirements)	Varun Bhaseen	Finished	10	10	0	3	3/12/2020	3/16/2020	5	100%
3.3	Create Data Flow Diagrams (System Admin and Users) v2		We changed the architecture a little (based on requirements)	Gulya Timokhina	Finished	10	10	0	3	3/12/2020	3/16/2020	5	100%
3.4	Create Activity Diagrams v2		We changed the architecture a little (based on requirements)	Poornapragna Vadiraj	Finished	10	10	0	3	3/12/2020	3/16/2020	5	100%
4	Initiation		Sprint-4: Development environment setup on Local Machines		Closed	48	36	12	4				100%
4.1	Setting up Local Environments		We set up the basic project on Varun's local machine Then we set up the git repo and made sure that all the team members had access to it	Varun Bhaseen	Finished	8	8	0	4	3/19/2020	3/23/2020	5	100%
4.2	Brainstorming Database Design		We came up with the following Tables: User / Customer Membership Location Vehicle Reservation	All	Finished	8	8	0	4	3/19/2020	3/19/2020	1	100%
4.3	Setup the models for database connection		Set up the initial tables to make sure it works	Gulya Timokhina	Finished	8	4	4	4	3/19/2020	3/23/2020	5	100%
4.4	Creating Wireframes for UI		Added bootstrap to a single page	Gulya Timokhina	Finished	16	8	8	4	3/19/2020	3/23/2020	5	100%
4.5	Choosing the Tech Stack		Come up with different tech stacks and decide on one, based on pros and cons	All	Finished	8	8	0	4	3/19/2020	3/23/2020	5	100%
5	Development-1		Sprint-5:		Closed	22	20	2	5				100%
5.1	Development: Home Module/Page		Developing Home page for our Car rental project. Includes methods and functions for login page, buttons etc.	Mirsaeid Abolghasemi	Finished	6	4	2	5	3/26/2020	3/30/2020	5	100%
5.2	Development: Aligning base code with Home Page Code		Removing error and bugs from base code and making it compatible to run alongside Home page	Varun Bhaseen	Finished	4	4	0	5	3/30/2020	3/30/2020	1	100%
5.3	Development: Renaming and Integrating multiple functions		Integrating multiple functions in a single function to have an integrated code. This minimizes code change tracking and easier to check delta. Also fixed multiple broken functions	Poornapragna Vadiraj	Finished	5	7	-2	5	3/26/2020	3/30/2020	5	100%
5.4	Development: Updating the Django framework with SQLite database structure and schema		Build database dependency on base code for Django framework and create schema from sql scripts	Gulya Timokhina	Finished	7	5	2	5	3/26/2020	3/30/2020	5	100%
6	Migrating Framework to Flask from Django		Sprint-6:		Closed	40	40	0	6				100%

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6.1	Converting existing code to Flask from Django framework		Change of Framework from Django to Flask due to ease of use and more optimised for working with javascript, CSS and HTML templates.	Gulya Timokhina	Finished	10	10	0	6	4/1/2020	4/6/2020	6	100%
6.2	Converting existing code to Flask from Django framework		Committing the code on local machines. Committing and Merging Final codes on Git Change of Framework from Django to Flask due to ease of use and more optimised for working with javascript, CSS and HTML templates.	Poornapragna Vadiraj	Finished	10	10	0	6	4/1/2020	4/6/2020	6	100%
6.3	Converting existing code to Flask from Django framework		Committing the code on local machines. Committing and Merging Final codes on Git Change of Framework from Django to Flask due to ease of use and more optimised for working with javascript, CSS and HTML templates.	Mirsaeid Abolghasemi	Finished	10	10	0	6	4/1/2020	4/6/2020	6	100%
6.4	Converting existing code to Flask from Django framework		Change of Framework from Django to Flask due to ease of use and more optimised for working with javascript, CSS and HTML templates. Committing the code on local machines. Committing and Merging Final codes on Git	Varun Bhaseen	Finished	10	10	0	6	4/1/2020	4/6/2020	6	100%
7	Development-2		Sprint-7		Closed	25	36	-11	7				100%
7.1	Development: Added Searching module and function, Keyword Function		Updated the main code with new functions and features for Searching and searcing with keywords	Mirsaeid Abolghasemi	Finished	5	8	-3	7	4/9/2020	4/14/2020	6	100%
7.2	Development: Added Vehicles, add new vehicle, add reservation functions added		Updated the main code with new pages and features for adding new vehicles, vehicle or car description fields, added the page and buttons for conducting a reservation feature	Varun Bhaseen	Finished	7	15	-8	7	4/9/2020	4/18/2020	10	100%
7.3	Development: Added Signin-Signout features, Sign up new User features		Updated the main code with new pages and forms for signing in and digning out along with featur to sign up new users	Poornapragna Vadiraj	Finished	8	8	0	7	4/11/2020	4/13/2020	3	100%
7.4	Development: User home page developed and added		User home page created and developed and added	Gulya Timokhina	Finished	5	5	0	7	4/14/2020	4/18/2020	5	100%
8	Development-3		Sprint-8		Closed	40	44	-4	8				100%
8.1	Development: Added Keywords Function and Methods		Developed and committed Keyword function in git. Populate Database with keywords from SQL scripts.	Mirsaeid Abolghasemi	Finished	7	6	1	8	4/16/2020	4/23/2020	8	100%
8.2	Development: Administrator Panel		Developed Administrator page and functions for controlling the applications and adding features like addition of location removal of location etc.	Poornapragna Vadiraj	Finished	9	12	-3	8	4/16/2020	4/23/2020	8	100%
8.3	Development: CSS, Bootstrap front end		created templates and design for front end HTML pages. Shared with everyone.	Varun Bhaseen	Finished	12	12	0	8	4/16/2020	4/23/2020	8	100%
8.4	Development: Rental return policy, configure reservation return logic, configure days and pricing calculations		Committed functions and modules for calculation of overall price based on returns. Configured date time management in flask application and database.	Gulya Timokhina	Finished	12	14	-2	8	4/16/2020	4/23/2020	8	100%
9	Development-4		Sprint-9		Closed	40	46	-6	9				100%
9.1	Development: Develop Brand Module, brand templates and related database queries		Developed and committed brand modules and related database queries for car brands and their association. Updated the function to capture quatities of car in each location	Poornapragna Vadiraj	Finished	10	12	-2	9	4/24/2020	5/1/2020	8	100%
9.2	Development: Membership page functions		Created and associated Membership page and functions and configure the templates required to check membership. Associate membership with user details at database. defined and committed databse queries for membership pages	Mirsaeid Abolghasemi	Finished	10	11	-1	9	4/24/2020	5/1/2020	8	100%
9.3	Development: Location Function, Location templates js and Location Database table		Developed and committed Location fuction and required templates and database in main flask file	Varun Bhaseen	Finished	10	12	-2	9	4/24/2020	5/1/2020	8	100%

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9.4	Development: Price functions, pricing pages, Pricing Database queries		Created pricing function and pricing pages in database queries and alaso in main flask application	Gulya Timokhina	Finished	10	11	-1	9	4/24/2020	5/1/2020	8	100%
10	Testing and Bug fixes		Sprint-10		Closed	39	43	-4	10				100%
10.1	Unit Test		Unit test on various functions for main flask application	Gulya Timokhina	Finished	12	12	0	10	5/1/2020	5/6/2020	6	100%
10.2	Bug Fix		bug fixing against various test cases	Poornapragna Vadiraj	Finished	9	9	0	10	5/1/2020	5/6/2020	6	100%
10.3	AWS environment configuration, App production migration and Docker pipeline		Reconfigure the main flask application for AWS with required changes for docker	Varun Bhaseen	Finished	6	10	-4	10	5/1/2020	5/6/2020	6	100%
10.4	Unit Test		Unit test on UI and templates	Mirsaeid Abolghasemi	Finished	12	12	0	10	5/1/2020	5/6/2020	6	100%
11	Application Deployment and Presentation		Sprint-11		Closed	24	20	4	11				100%
11.1	Functional Testing		Carry out functional testing based on various scenarios outlines in requirement	Gulya Timokhina	Finished	6	5	1	11	5/6/2020	5/7/2020	2	100%
11.2	Presentation update and Demo Script		Prepare script and outline sections that each of us has to speak on and prepare the presentation to demo and update slide contents	Mirsaeid Abolghasemi	Finished	6	5	1	11	5/6/2020	5/7/2020	2	100%
11.3	AWS environment configuration, App production migration and Docker pipeline		Migrate the final application to AWS and configure the servers, load balancers and Docker files and images to ready it for demo and presentation	Varun Bhaseen	Finished	6	5	1	11	5/6/2020	5/7/2020	2	100%
11.4	Bug Fixes		Fix any prevailing bugs. Carry out final testing and functional testing as required	Poornapragna Vadiraj	Finished	6	5	1	11	5/6/2020	5/7/2020	2	100%

ESTIMATE	COMPLETED	REMAINING	WORK DAYS	EST/DAYS
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**BURNDOWN Refer in Next Sheet**

TOTAL HOURS

410

417

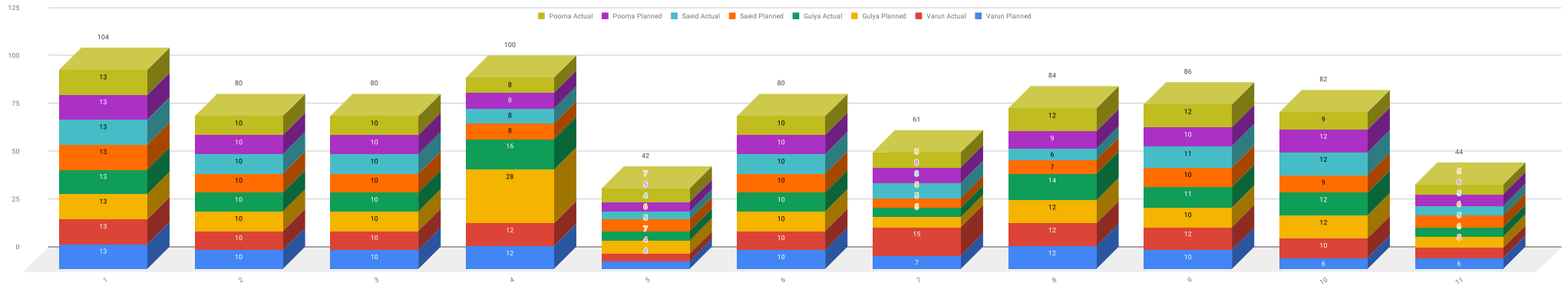
-7

68

02941

^ Enter number of days

Effort Spent in each Sprint Planned vs Actual



BURNDOWN CHART

