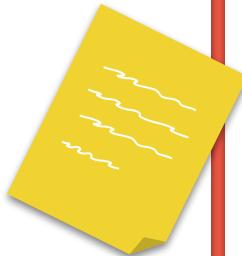


An Internal Enterprise Web Application

GROUP 6 -CC02



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01 INTRODUCTION

- **Problem statement:** In modern day, every company needs to digitalize and an internal web application for working employee is a must
- **Motivation:** The website will help create smooth, organized and up-to-date work flow and also provide a lot of information
- **Goals and Scope:** The website will satisfy all demands of a real website for such a purpose but scale down to time and resources available for a students at university



02 REQUIREMENTS ANALYSIS

FUNCTIONAL

NON-FUNCTIONAL

- An account system with multilevel
- The ability to perform task a view according to assigned level
- Can track and update progress of task

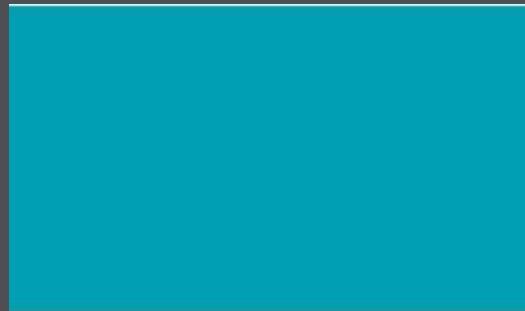


- Professional and pleasing visual
- Compatable with multiple web browsers and system
- Fast response
- Each user can only see/act according to their permissions
- Easy to use
- Can handle a lot users

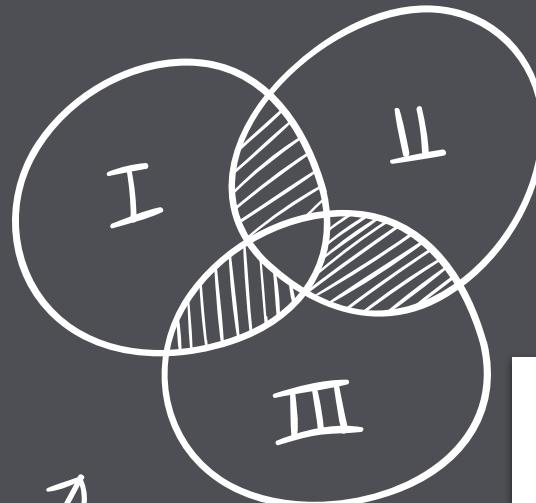


INTERFACE DESIGN

Colours:



#17A2B8



#005387

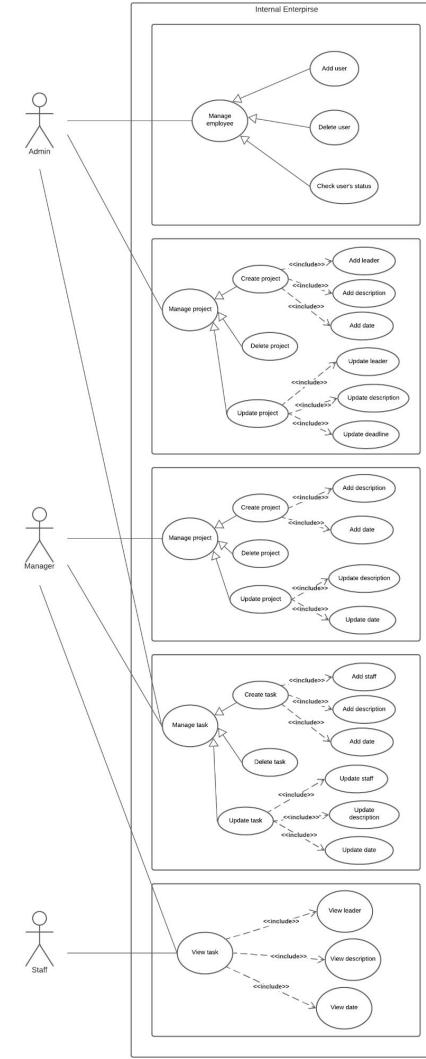


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03 DIAGRAM

Figure: The use case diagram of our Internal Enterprise Web Application



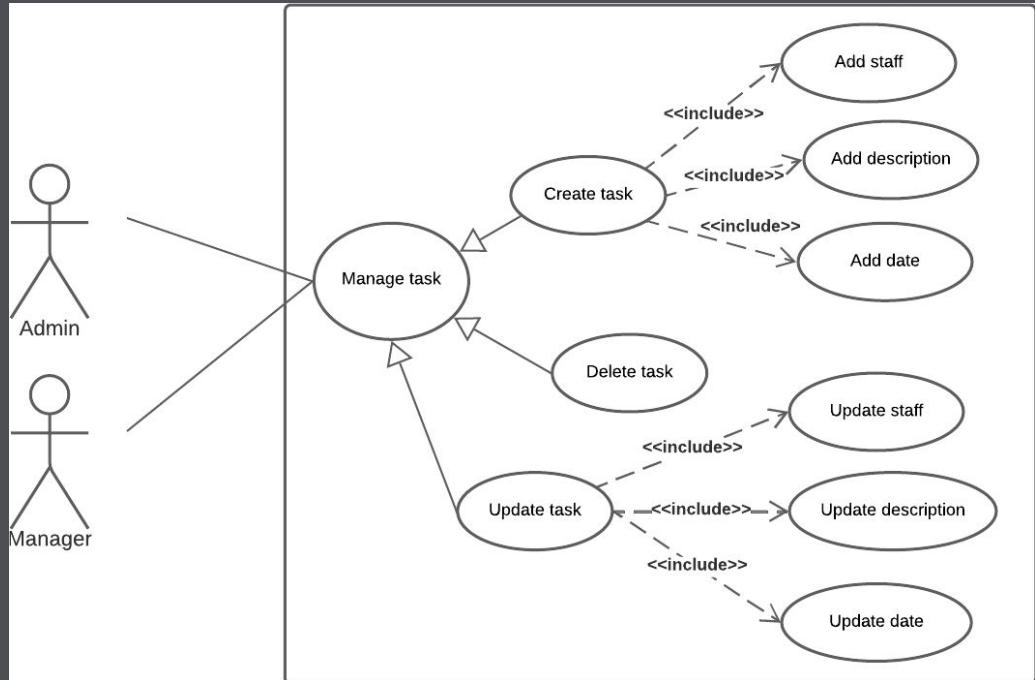


Figure: The use case diagram of the "Manage task" feature.



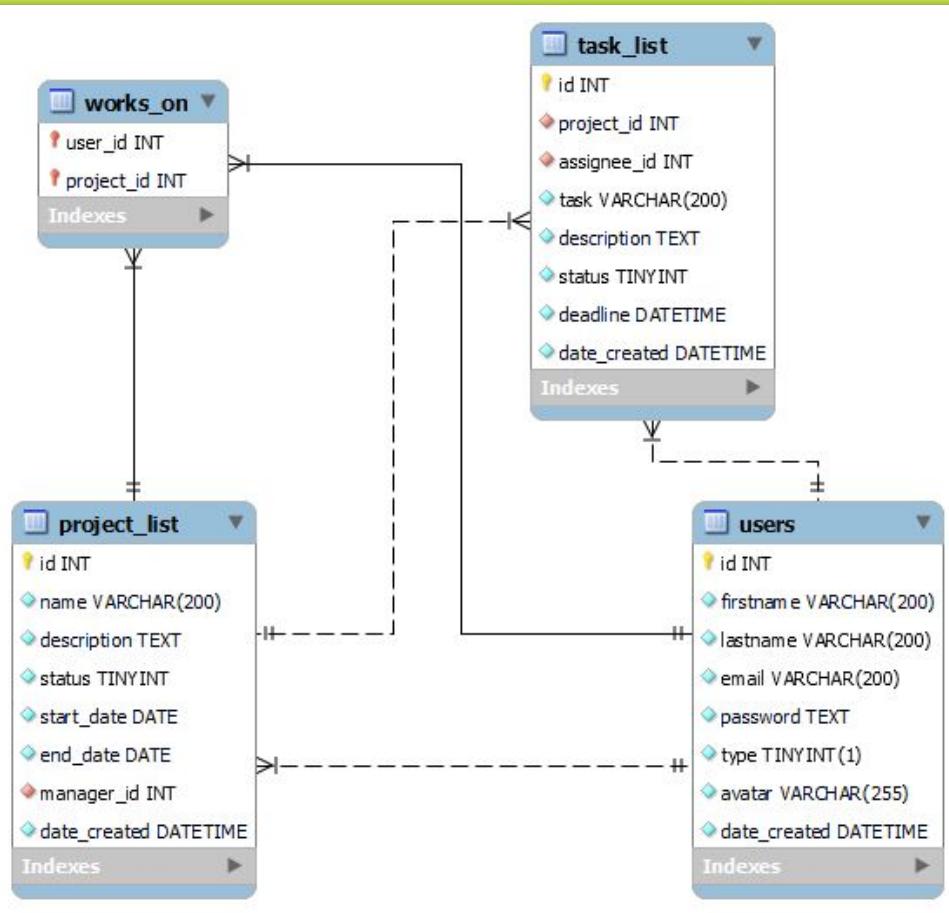

Name	Manage task
Actor	Admin and Manager
Description	Admin and Manager can manage to Create, Update or Delete task for their Staffs. If a task is Created or Updated successfully, it appears on Staffs' side and they can view its Description, start Date, and due Date.
Preconditions	The account of Admin or Manager has been granted the access to manage the tasks. Additionally, Admin or Manager has created a Project before assigning a task.
Normal flow	<ol style="list-style-type: none"> 1. Admin and Manager log in to the system using their account. 2. They create a Project. 3. They choose New task and fill in the information of that task. 4. They choose the Staff to fulfill that task. 5. The use case ends.
Exceptions	<p><i>Exception 1: at step 2</i></p> <p>2a. If Admin and Manager have not created a Project, they cannot create a New task.</p>
Alternative flow	<p><i>Alternative 1: at step 2</i></p> <p>2b. Admin and Manager have already created a Project:</p> <ol style="list-style-type: none"> 1. They choose New task and fill in the information of that task. 2. They choose the Staff to fulfill that task. 3. The use case ends. <p><i>Alternative 2: at step 2</i></p> <p>2c. Admin and Manager have already created a Project:</p> <ol style="list-style-type: none"> 1. They Update the Staff, the Description, or the Date of the previous tasks. 2. The use case ends. <p><i>Alternative 3: at step 2</i></p> <p>2d. Admin and Manager have already created a Project:</p> <ol style="list-style-type: none"> 1. They Delete the previous tasks. 2. The use case ends.

Figure: The table description of the "Manage task" feature.

04 DATABASE DESIGN

Database schema of our system

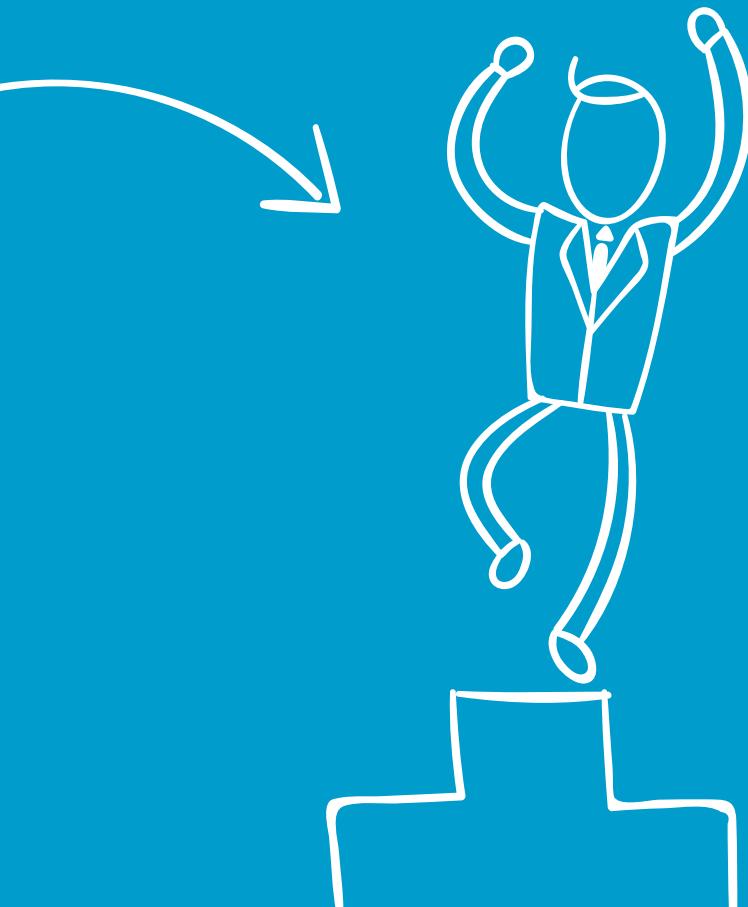




4 classes:

- **users**
- **project_list**
- **task_list**
- **works_on**

- **users** contains personal and authentication information of users.
- **project_list** contains project information. Have 1-N relationship with **task_list**.
- **task_list** contains task information.
- **works_on** contains information about the relationship between users and their working-on projects.



05 DEMO

06

LESSONS LEARNED & TESTING



- Communicate is key, don't be afraid to ask for help
- Trial and error
- Put yourself in the place of a user
- Plan ahead
- Allow a lot buffer time for bugs fixing

6.1 Test case 1: Log in

Preconditions: The user has already signed up and is currently on the login page of the website.

Steps:

1. User fills in the login account's information.
2. If the user enters the information correctly, the website forwards to the home page.

Expected result: The user logs into the system successfully if the account has already been signed up and the account's information is filled in correctly on the login page; otherwise, an error message is displayed in red.

6.2 Test case 2: New user

Preconditions: The user's account is the admin's account or has been granted permission to create a new user.

Steps:

1. User fills in the login account's information.
2. The website forwards to the home page.
3. User chooses "Users" on the left taskbar and chooses "New user".
4. User fills in the required information and fields.
5. User chooses "Save" to save the information and create a new account.

Expected result: The account is created successfully and the User or Admin can check the account information at "Users/User list" on the left taskbar.

6.3 Test case 3: Create new project

Preconditions: The website forwards to the home page if the user enters the information correctly home page.

Steps:

1. User clicks on the "Projects" tab on the sidebar and some sub tabs will drop down.
2. User clicks on the "New Project" and the form will appear on the page.
3. User fills the form with the name of the project in the "Name" field, the status of the project (such as "Pending", "In Progress", or "Done"), select the "Start Date" and "End Date" the project, select one "Project Manager" and one or more "Project Team Members".
4. User could fill the "Description" of the project.
5. User presses the "Save" button to save the project or press the "Cancel" button if the User don't want to save the project.

Expected result: A new project is created and the User or Admin can check the project information at "Projects/Project list" on the left taskbar.

6.4 Test case 4: Create new Task

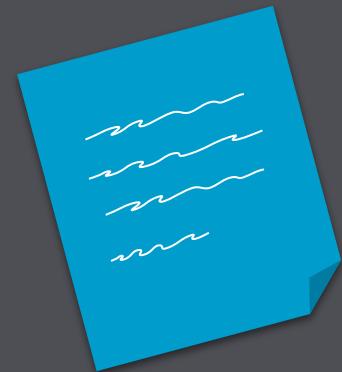
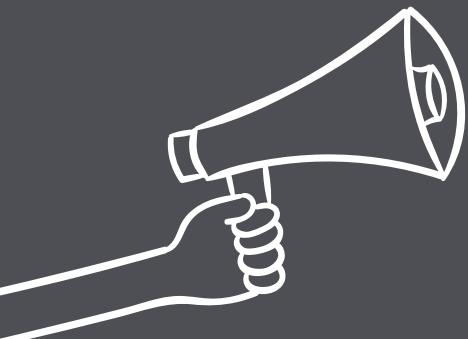
Preconditions: User is either an Admin or a Project Manager and a project have to be already created.

Steps:

1. User clicks on the "Projects" tab on the sidebar and some sub tabs will drop down.
2. User clicks on the "Project list".
3. User chooses the "View" action on one of the already existed project.
4. User clicks on the "New Task" button.
5. User fills the "New Task" form with the task name in the "Task" field, the description in the "Description" field, chooses the deadline of the task in the "Deadline" field, sets the status of the task in the "Status" field, and chooses the staff to be in charge of task in the "Person in charge" field.
6. User presses the "Save" button to save the task or press the "Cancel" button if the User don't want to save the task.

Expected result: A new task is created and the User can check the task information at "Task" on the left taskbar.

Thank you!



FROM HERE ON IS TEMPLATE

Introduction

- **Problem statement:** In modern day, every company needs to digitalize and an internal web application for working employee is a must
- **Motivation:** The website will help create smooth, organized and up-to-date work flow and also provide a lot of information
- **Goals and Scope:** The website will satisfy all demands of a real website for such a purpose but scale down to time and resources available for a students at university



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2. An assortment of graphic resources that are suitable for use in the presentation can be found in the **alternative resources slides**.
3. A **thanks slide**, which you must keep so that proper credits for our design are given.
4. A **resources slide**, where you'll find links to all the elements used in the template.
5. **Instructions for use**.
6. Final slides with:
 1. The **fonts and colors** used in the template.
 2. A **selection of illustrations**. You can also customize and animate them as you wish with the online editor. Visit **Storyset** to find more.
 3. More **infographic resources**, whose size and color can be edited.
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your audience's attention

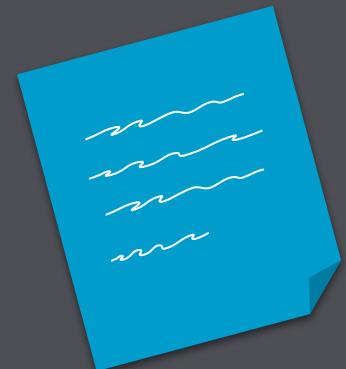


The Business Model Canvas



4,498,300,000

Big numbers catch your audience's attention



About the Project

01



You can enter a subtitle here if you need it



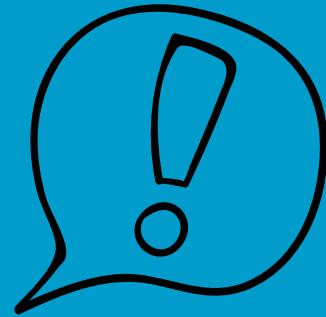


About the Project

Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than the Moon. The planet's name has nothing to do with the liquid metal, since it was named after the Roman messenger god, Mercury

“This is a quote, words full of wisdom that someone important said and can make the reader get inspired.”

—Someone Famous



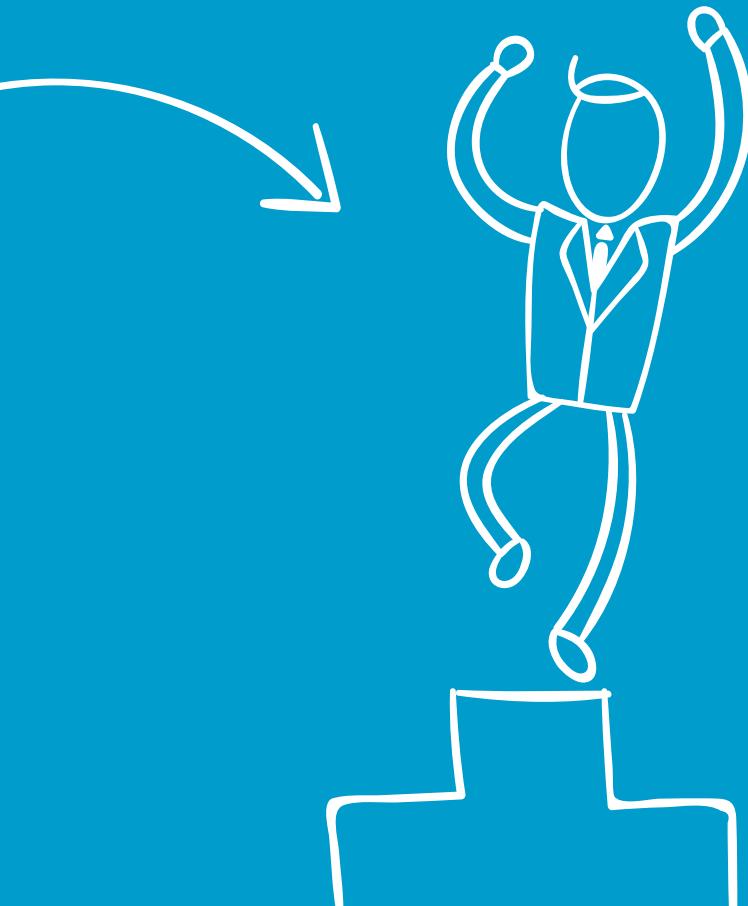
Now

Do you know what helps you make your point clear? Lists like this one:

- They're simple
- You can organize your ideas clearly
- You'll never forget to buy milk!

And the most important thing: the audience won't miss the point of your presentation

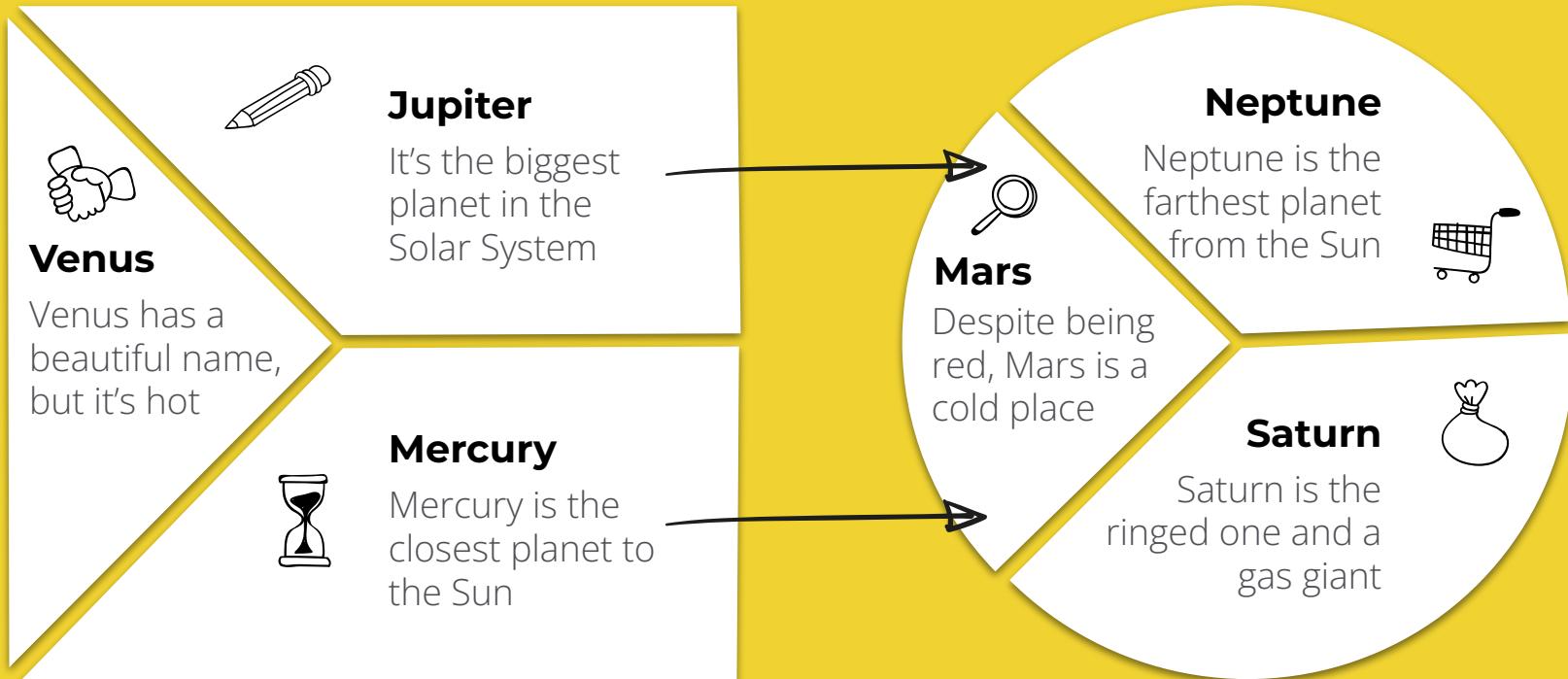




Future

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot—even hotter than Mercury—and its atmosphere is extremely poisonous. It's the second-brightest natural object in the night sky after the Moon

Major Requirements



You Can Use a Table

	Mercury	Venus	Mars
Week 1	300	60	200
Week 2	300	400	100
Week 3	100	250	300



This is a Map

Mars

Despite being red, Mars is a cold place. It's full of iron oxide dust

Venus

Venus has a beautiful name, is the second planet from the Sun





A Picture Is Worth a Thousand Words





To modify this graph, click on it, follow the link, change the data and paste the new graph here

Mars

Mars is a very cold place

Mercury

Mercury is the smallest planet

Venus

Venus has a beautiful name

Jupiter

It's the biggest of them all



50,000,000



Timing



About



Social Media



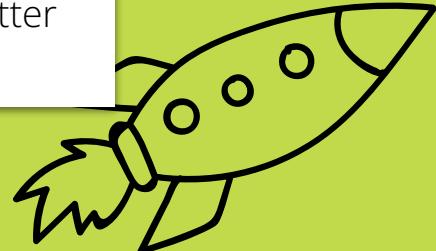
Reach

Project Goals



Despite being red, Mars is actually a very cold place. It's full of iron oxide dust, which gives the planet its reddish cast

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot, even hotter than Mercury



Predicted Results

20,000

Expected Income for 2021

Mercury is the closest planet to the Sun and the smallest of them all. It's only a bit larger than the Moon



100

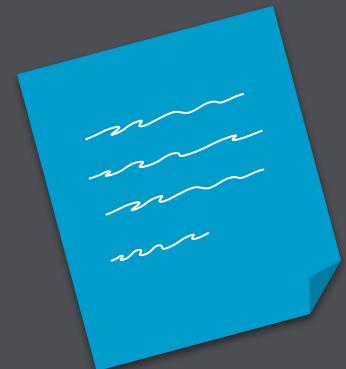
New Employees Next Year

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot, even hotter than Mercury



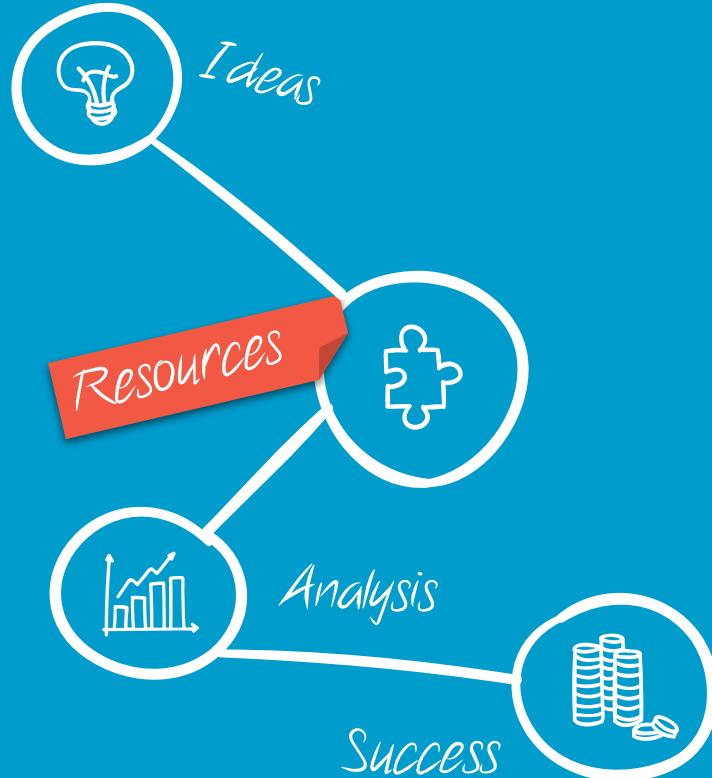
4,498,300,000

Big numbers catch your audience's attention



Sneak Peek

Mercury is the closest planet to the Sun and the smallest one in the Solar System—it's only a bit larger than the Moon. The planet's name has nothing to do with the liquid metal, since it was named after the Roman messenger god, Mercury

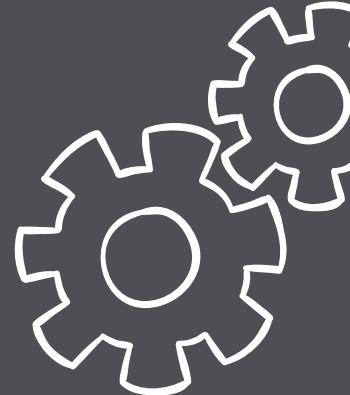
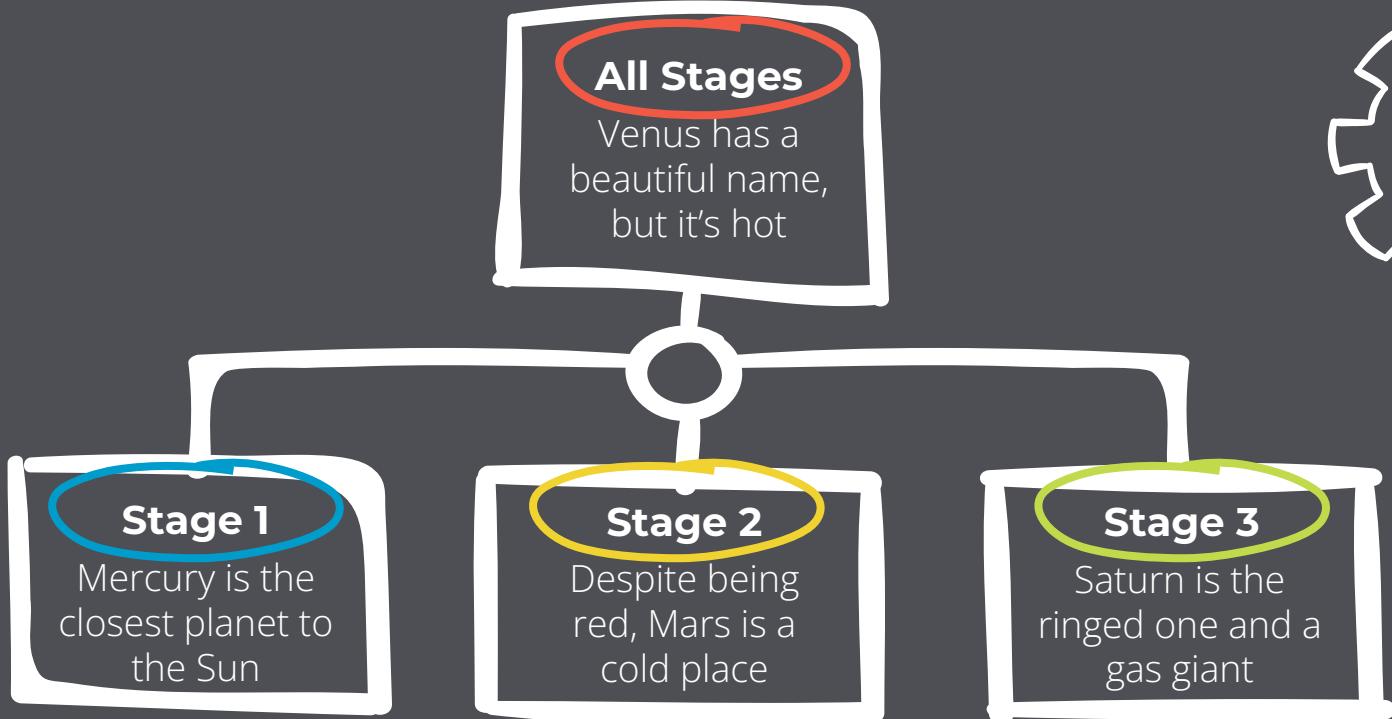


Sneak Peek

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Project Stages



Timeline

Venus

Venus has a beautiful name, but it's hot

Jupiter

It's the biggest planet in the Solar System



Mercury

Mercury is the closest planet to the Sun

Mars

Despite being red, Mars is a cold place

Our Partners



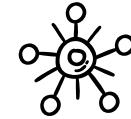
Venus

Venus has a beautiful name, but it's hot



Mars

Despite being red, Mars is a cold place



Saturn

Saturn is the ringed one and a gas giant

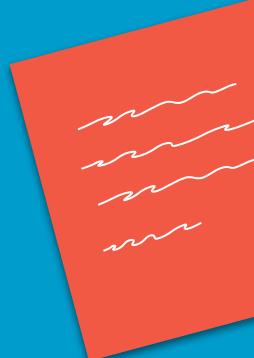
Our Team

James Smith

Here you can talk a bit about this person

Kevin Smith

Here you can talk a bit about this person



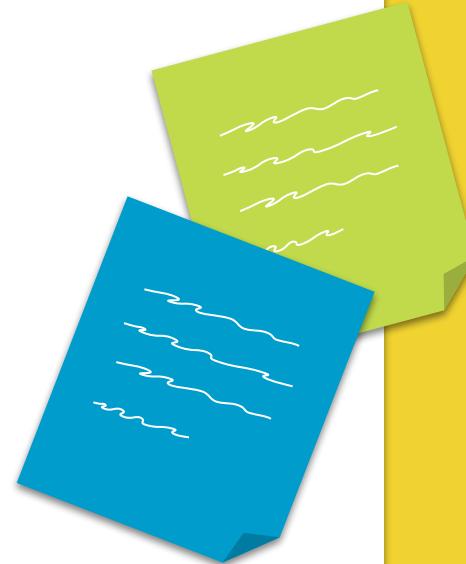
Thanks

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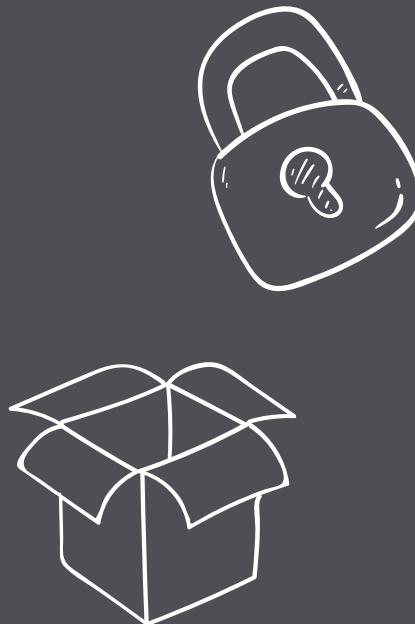
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Alternative Resources

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- Businessperson's hand holding graph at workplace
- Businessman holding two puzzle pieces
- Side view man doing a presentation during a meeting
- Close-up of a person holding yellow crayon with big idea book on blue background
- Man and woman discussing a business project

Vectors:

- Social media background in hand drawn style
- Science drawn icons
- Internet business seo strategy
- Tablet background with hand-drawn learning items
- Great background with fantastic marketing doodles

Resources

Photos:

- Business people working together
- Corporate business people
- Blurry woman live streaming at home

Vectors:

- Doodle big data background
- Hand-drawn marketing background with yellow details
- Great business infographic with drawings
- Sketchy business elements

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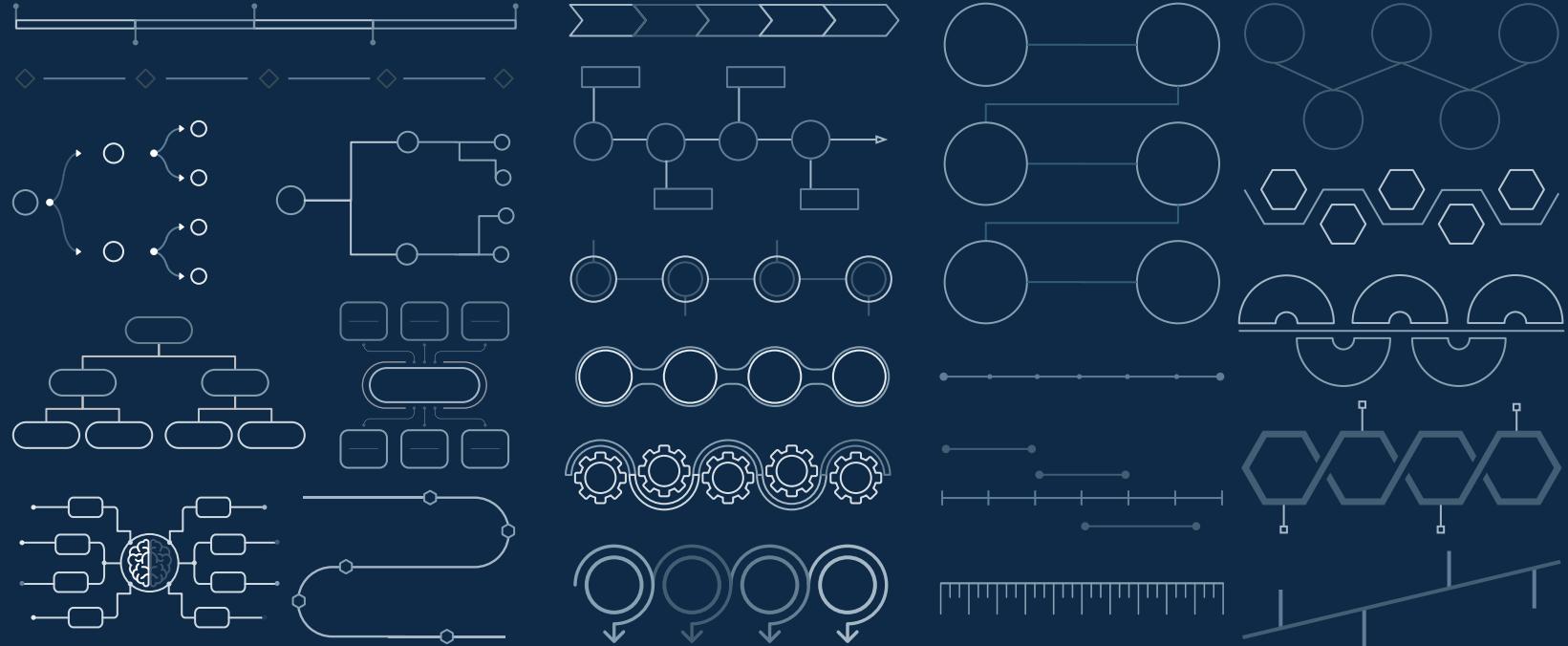
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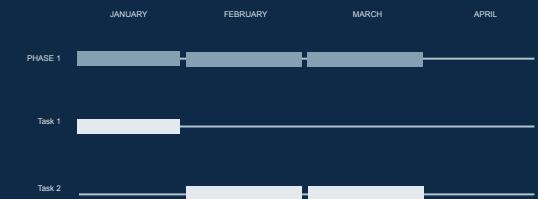
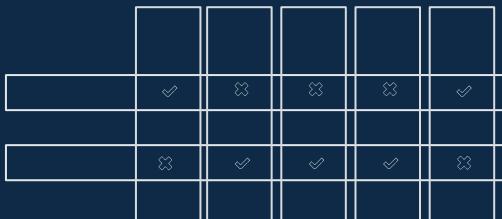
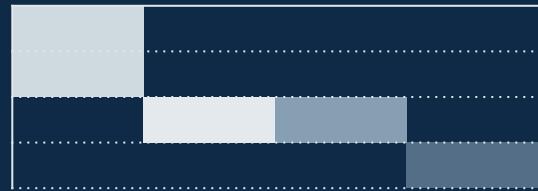
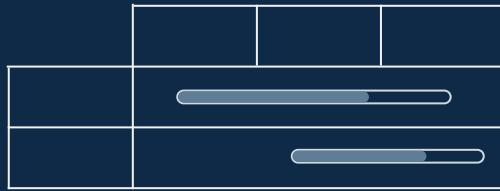
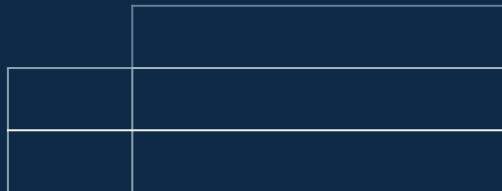
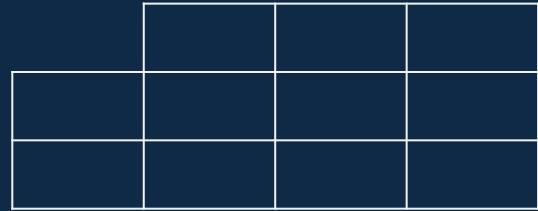
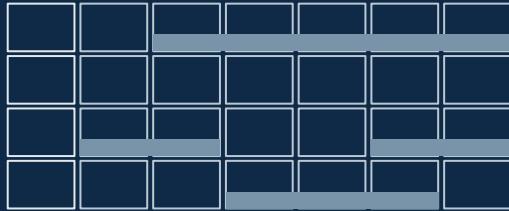
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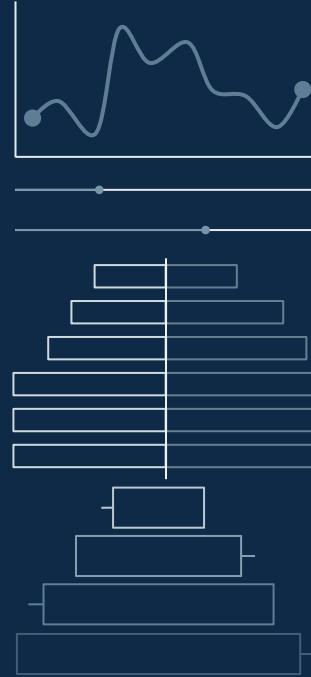
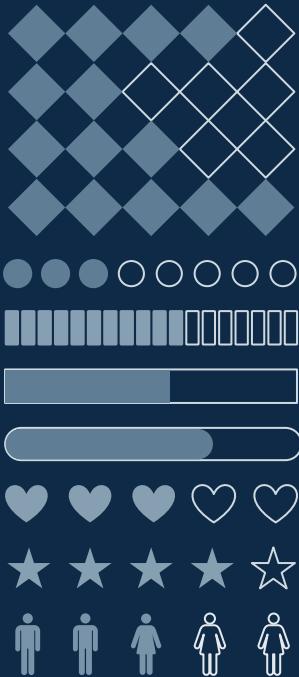
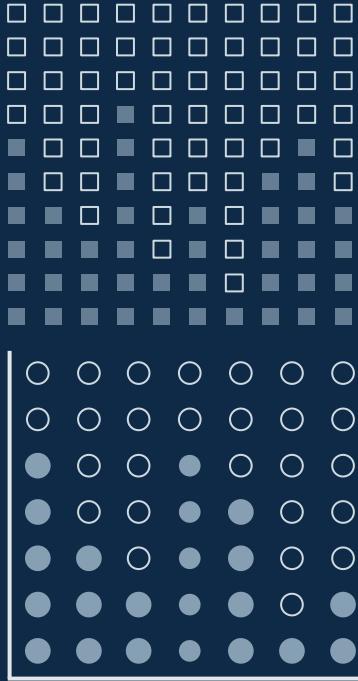












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Medical Icons



Business Icons



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Performing Arts Icons



Nature Icons



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