

Plant Power Final Presentation

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Recap



**Plant Power: A user friendly solution
for efficiently growing plants with
technology**



ikea.com

System Overview



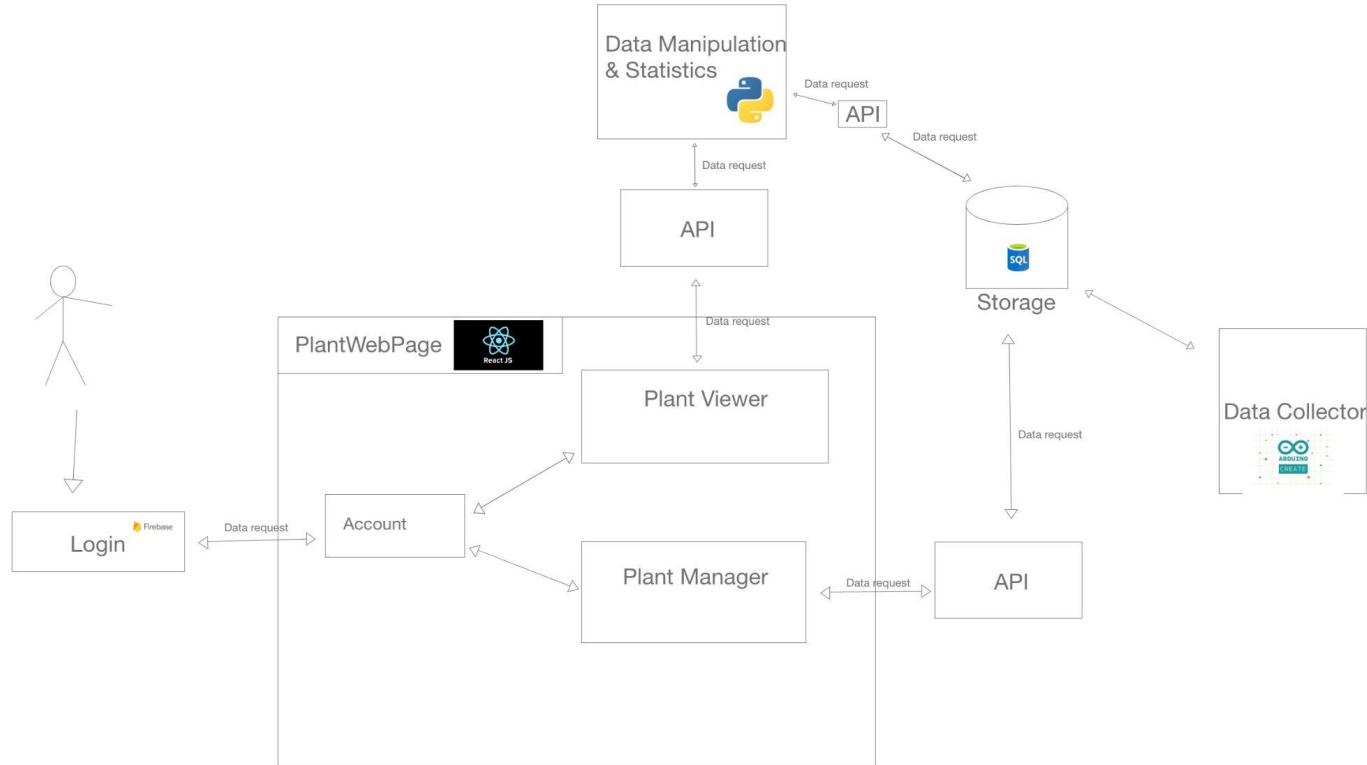
Five Components:

- Data collector
- Data manager
- Data analyzer
- Validator
- Plant webpage



thenounproject.com

System Components & System Diagram



Actor identification



Main human actor: the user who is a home grower



gardeningknowhow.com

Main nonhuman actor: arduino microcontroller



store.arduino.cc

Architectural Style



Event Driven Architecture Style

System reacts to external events
and communicates with events



Design Pattern



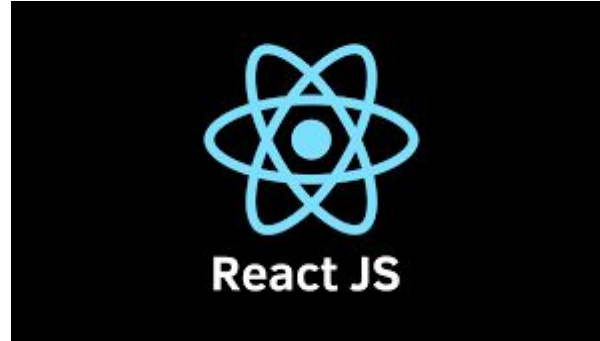
Command Design Pattern

Encapsulates command request letting you parametrize the clients with different requests

Frameworks

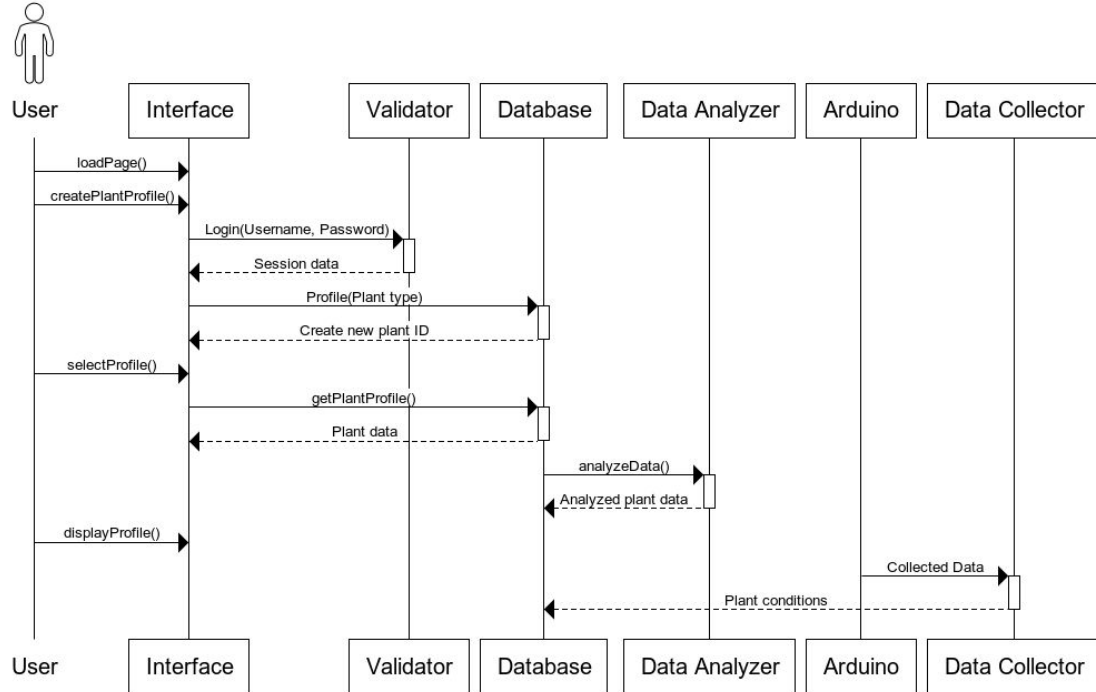


React Framework for our webpage

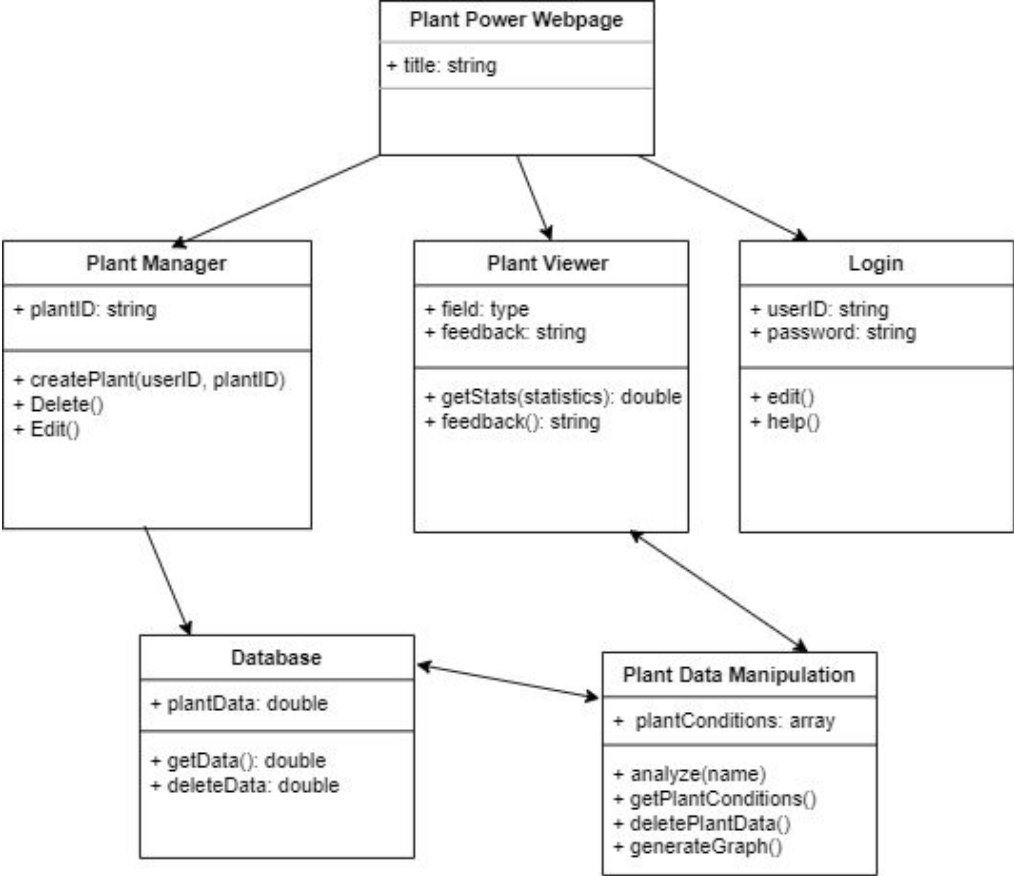


[Reactjs.org](https://reactjs.org)

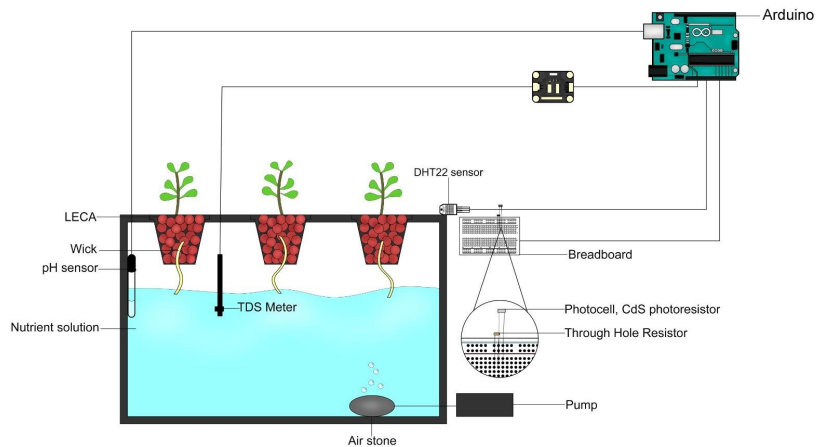
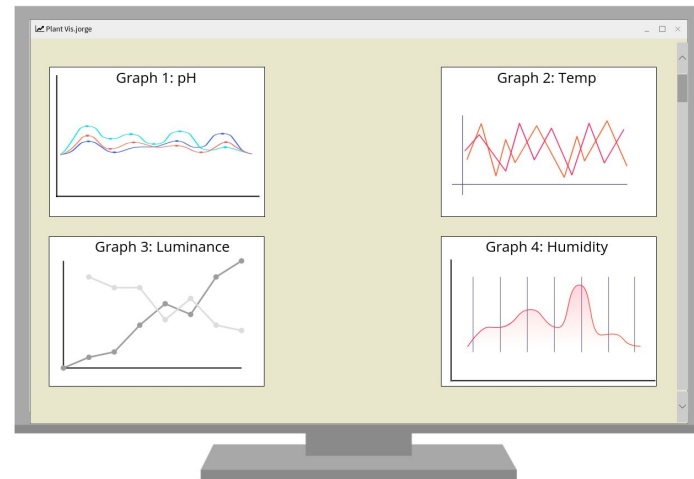
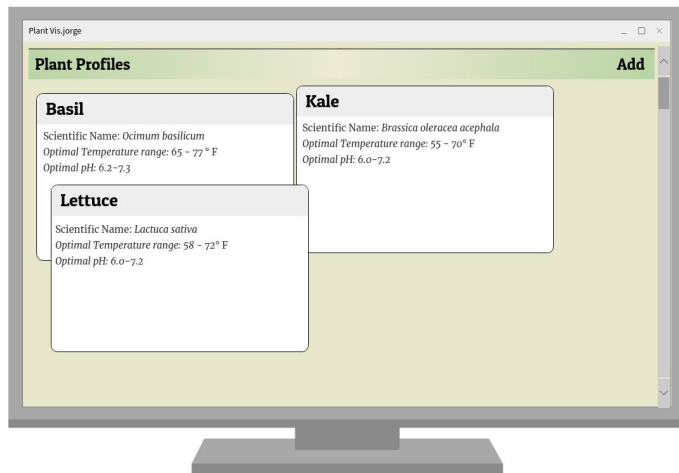
Sequence Diagram



Class Diagram





Mockups



Github Project Planning



 Search or jump to...  Pull requests Issues Marketplace Explore

DylanNaron / CSC431_PlantPower

<> Code ① Issues 7 🛠 Pull requests ⚙ Actions **📅 Projects 1** 📖 Wiki 🛡 Security 📊 Insights

Documentation&ClassRequirements

Updated 18 seconds ago

0 **ToDo** + ...

1 **InProgress** + ...

- 🕒 **FinalPresentation** ...
#1 opened by DylanNaron
[documentation](#)

9 **Done** + ...

- 🕒 **SAS Document** ...
#3 opened by DylanNaron
[documentation](#)
- 🕒 **Are the sequence diagrams detailed enough? Do they make sense/are they correct?** ...
#9 opened by DylanNaron
[SAS](#)
- 🕒 **Do the actors identified make sense? Are there any clearly missing ones?** ...
#6 opened by DylanNaron
[SAS](#)
- 🕒 **Are the class diagrams detailed enough? Do they make sense/are they correct?** ...
#10 opened by DylanNaron
[SAS](#)
- 🕒 **Does the system overview make sense?** ...
#4 opened by DylanNaron
[SAS](#)
- 🕒 **SRS Document** ...
#2 opened by DylanNaron
[documentation](#)

+ Add column



Github Link

https://github.com/DylanNAron/CSC431_PlantPower