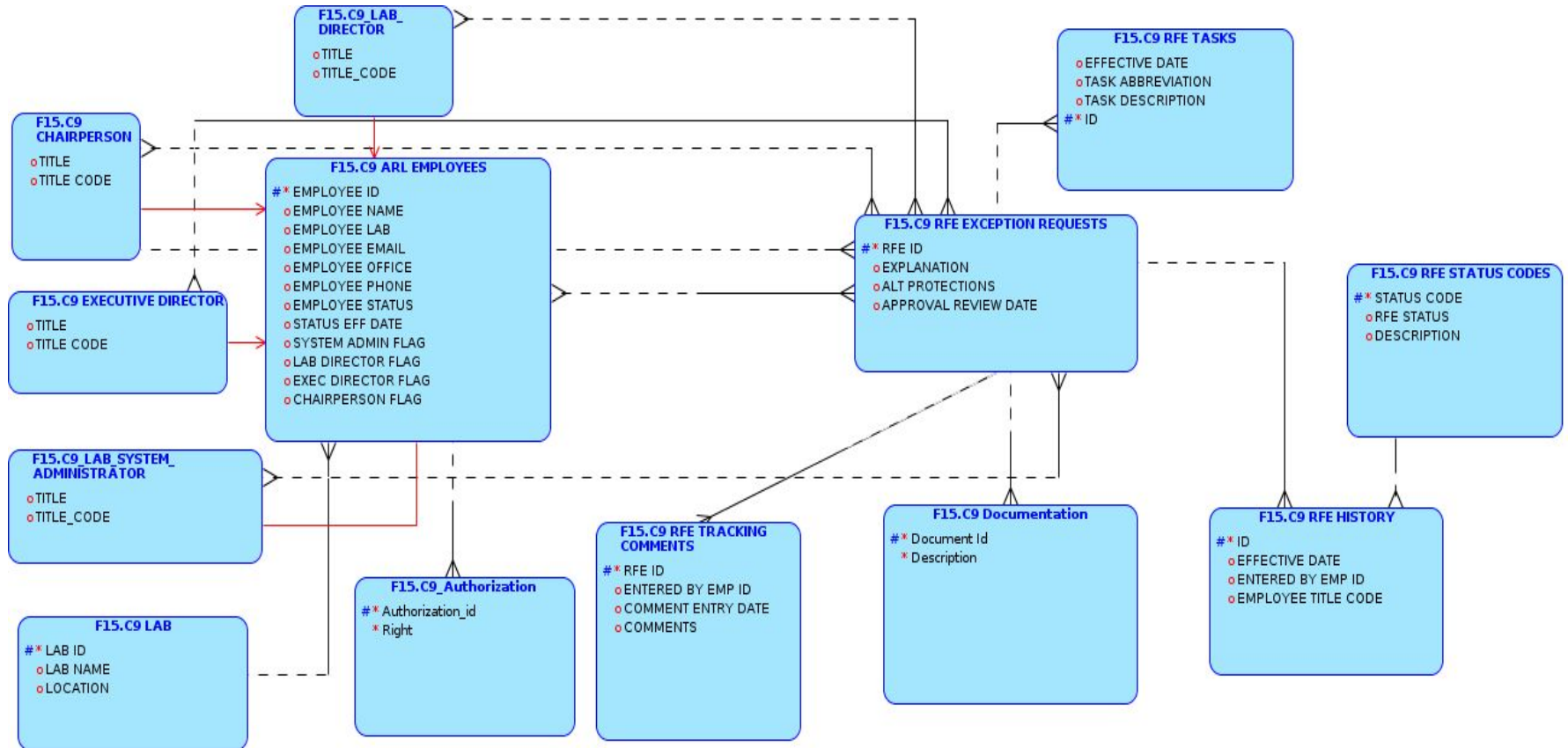


# Request for Exceptions

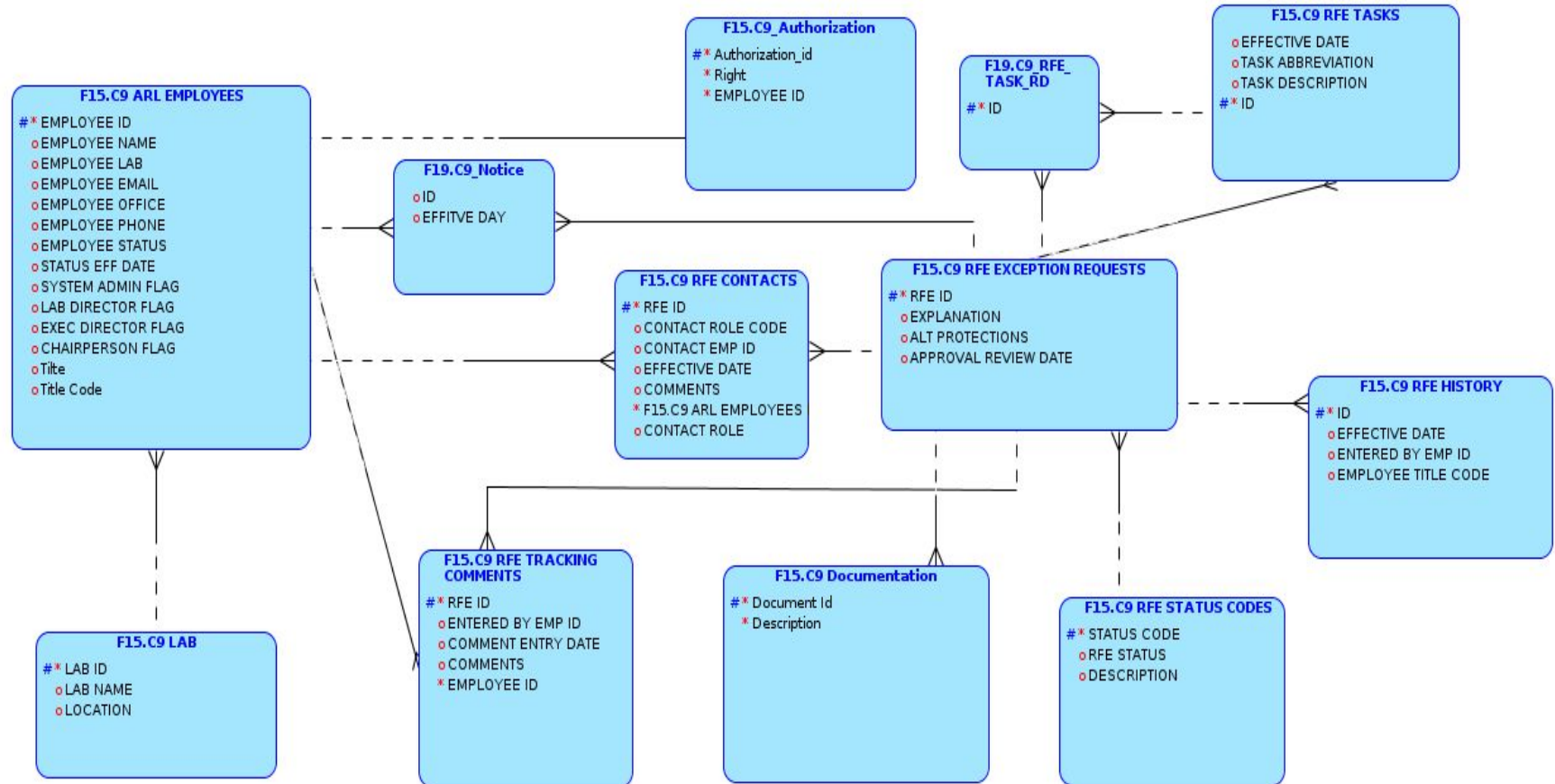
Trung Nguyen Ba, Jared Churchman

# PART I

# Conceptual Model



# Logical Model



# ARL LAB

- ❑ An interactive report which allows users to create, see and modify lab data using form
- ❑ Button: Create, Apply Change, Delete and Cancel

	Lab Id	Lab Name	Location
	100	HEAD	Austin

1 - 1

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Log Out

Form on F15.C9\_ARL\_LAB

Lab Name

Location

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# EMPLOYEE

- ❑ An interactive report, allowing user to create and modify form
- ❑ Also, allowing users to create employee with different position with control button
- ❑ Each button have its own form
- ❑ For creating chairperson and executive director, only one would be allowed to create
- ❑ However, still allowing to add more role to an employee if necessary
- ❑ Requiring Lab ID and Authorization scheme ID to be able to process

Log Out

Q ▾ Go Actions ▾

ADDING NORMAL EMPLOYEE

	Employee Id	Employee Name	Employee Lab	Employee Email	Employee Office	Employee Phone	Employee Status	Status Eff Date	System Admin Flag	Lab Director Flag	Exec Director Flag	Chairperson Flag	Title	Code
	220	Trung sys	-	-	-	-	-	-	1	0	0	0	-	-
	221	Trung LD	-	-	-	-	-	-	0	1	0	0	-	-
	222	TRUNG CP	-	-	-	-	-	-	0	0	0	1	-	-
	123	TRUNG	-	-	-	-	-	-	0	0	0	0	-	-
	124	TRUNG EXC	-	-	-	-	-	-	0	0	1	0	-	-

1 - 5

Adding Sys Emp Adding LD Emp

# EMPLOYEE EXAMPLE

Create a normal employee

Log Out

Q v Go Actions v

ADDING NORMAL EMPLOYEE

	Employee Id	Employee Name	Employee Lab	Employee Email	Employee Office	Employee Phone	Employee Status	Status Eff Date	System Admin Flag	Lab Director Flag	Exec Director Flag	Chairperson Flag	Title	Title Code
<input checked="" type="checkbox"/>	220	Trung sys	-	-	-	-	-	-	1	0	0	0	-	-
<input checked="" type="checkbox"/>	221	Trung LD	-	-	-	-	-	0	1	0	0	-	-	-
<input checked="" type="checkbox"/>	222	TRUNG CP	-	-	-	-	-	0	0	0	1	-	-	-
<input checked="" type="checkbox"/>	123	TRUNG	-	-	-	-	-	0	0	0	0	-	-	-
<input checked="" type="checkbox"/>	124	TRUNG EXC	-	-	-	-	-	0	0	1	0	-	-	-

1 - 5

Adding Sys Emp Adding LD Emp

Log Out

Form on EMP\_NOR\_VIEW

Employee Name

Employee Lab

Employee Email

Employee Office

Employee Phone

Employee Status

Status Eff Date

Title

Title Code

F15.C9 Lab Lab Id

F15.C9 Aut Id

Cancel Create

Log Out

Q v Go Actions v

✓ Action Processed. X

ADDING NORMAL EMPLOYEE

	Employee Id	Employee Name	Employee Lab	Employee Email	Employee Office	Employee Phone	Employee Status	Status Eff Date	System Admin Flag	Lab Director Flag	Exec Director Flag	Chairperson Flag	Title	Title Code
<input checked="" type="checkbox"/>	220	Trung sys	-	-	-	-	-	-	1	0	0	0	-	-
<input checked="" type="checkbox"/>	221	Trung LD	-	-	-	-	-	0	1	0	0	-	-	-
<input checked="" type="checkbox"/>	222	TRUNG CP	-	-	-	-	-	0	0	0	1	-	-	-
<input checked="" type="checkbox"/>	123	TRUNG	-	-	-	-	-	0	0	0	0	-	-	-
<input checked="" type="checkbox"/>	124	TRUNG EXC	-	-	-	-	-	0	0	1	0	-	-	-
<input checked="" type="checkbox"/>	240	Trung 2	HEAD	tantrungib@gmail.com	-	-	-	19-NOV-15	0	0	0	0	-	-

1 - 6

Adding Sys Emp Adding LD Emp

# LOGIN PAGE

- ❑ Allowing user to choose the employee to access their RFE
- ❑ Require to choose the LAB first

LOGIN

Lab

HEAD

Employee List

Trung LD

release 1.0

[Set Screen Reader Mode On](#)



# RFE (NORMAL EMPLOYEE/REQUESTOR)

- ❑ There are 2 Requests of Exception reports: one is for waiting RFE (with status Entered, Recalled and Returned) and one is for RFE with other statuses.
- ❑ Also, there are options that allows employee to duplicate or recall a Request using duplicate or recall buttons (with restriction)
- ❑ In addition, employee also allow to View record of all requests that is final approved or revoked. Employee can add comments to this
- ❑ If the employee has global authorization right, buttons to the corresponding record will show up.

The screenshot displays a web application interface for managing Request for Exception (RFE) reports. At the top right, there is a button labeled 'View Processed Record'. Below this, on the left, are two buttons: 'Duplicate' and 'Recall'. In the center, there is a section titled 'Requestor List' with a search bar containing a magnifying glass icon and a dropdown arrow. To the right of the search bar are buttons for 'Go' and 'Actions' (with a dropdown arrow). Further right is a 'Create' button. The main content area below the search bar is empty, displaying a large magnifying glass icon and the text 'No data found.' Below this, there is a section labeled 'Processing' which also displays 'no data found'. At the bottom of the interface, there is a footer bar with navigation links: Home, Application 40382, Edit Page 6, Session, View Debug, Debug, Show Grid, Quick Edit, Theme Roller, and a settings icon.

# RFE (NORMAL EMPLOYEE/REQUESTOR)

- ❑ Employee can create new request using form
- ❑ After the form is created, the employee now can add comments, tasks, notice contacts or documents
- ❑ Click apply change will re-submit the requests in case their statuses are not entered
- ❑ Adding comment, task, document and contact will automatically update the correspond tables

Form on F15.C9\_RFE\_EXCEPTION\_REQUESTS

✓ Fetch sucessful

Explanation

C

Alt Protections

C

Approval Review Date

Cancel

Apply Changes

Comment Section

Q v

Go

Actions v

Create

	Entered By Emp Id	Comment Entry Date	Comments	F15.C9 Rfe Id
	240	24-NOV-15	T	400

1 - 1

# RFE (NORMAL EMPLOYEE/REQUESTOR)

- ❑ Also, these following table also get updated when the RFE is created or re-submitted
  - ❑ Contact: updating roles for all necessary employees for this requests
  - ❑ Notice contact: update the contact that will be sent notification when a decision is made
  - ❑ Status History: update the current status of the RFE
  - ❑ Comment: auto comment will be added saying that the RFE was created

# Summary of Normal EMP/REQUETOR feature

- ❑ A requestor can create, duplicate and recall any of his/her requests with a few restriction
- ❑ A requestor can add comments, documents, tasks and notice contacts
- ❑ A requestor can modify his/her documents with status Entered, Returned and Recalled ( Returned should not be here according to the requirement)
- ❑ Adding tasks, documents, contacts and comment will update the corresponding tables
- ❑ There are 4 tables that will be updated after create or re-submitted
  - ❑ Contact: update the role for necessary employees for the RFE
  - ❑ Status History: update the status of the RFE
  - ❑ Comment: adding comment about the status updated of the RFE
  - ❑ Notice contact: update the people that should get notification when a decision is made
- ❑ In case an employee has global right, buttons to the all RFE records will show

# RFE (SA,LD,CP,EXC)

- ❑ The employee with these role can have the exact all reports and buttons as normal employee/ requestor
- ❑ There are one more report of the RFEs that are waiting to be approved by this employee
- ❑ After choosing the RFE, the employee can make decision to revoke, return or approve for the RFE
- ❑ Also, after choosing the RFE, the employee can also see without modify tasks, documents and notice contacts of the RFE.
- ❑ The employee is allowed to add comment
- ❑ If the decision is approved, submit the RFE to the next level or change the status to final approved

The screenshot displays a web application interface for managing Requests for Evidence (RFE). At the top, there is a 'Requests List' dropdown menu currently set to '455'. Below this is a table with the following columns: 'Rfe Id', 'Explanation', 'Alt Protections', 'Approval Review Date', 'Status', and 'Contact Role Code'. The table contains two rows of data:

Rfe Id	Explanation	Alt Protections	Approval Review Date	Status	Contact Role Code
450	C	C	-	100	SA APPROVER
455	C	C	-	100	SA APPROVER

Below the table, there is a pagination indicator '1-2'. The interface then shows a section for 'Comment of Chosen RFE' with a 'Creating Comment' button and a message 'no data found'. Below this is a 'Contact' section containing a table with the following columns: 'Id', 'Effective Day', 'F15.C9 Ari Emp Id', and 'F15.C9 Rfe Id'. The table has one row of data:

Id	Effective Day	F15.C9 Ari Emp Id	F15.C9 Rfe Id
260	24-NOV-15	240	455

Below the table, there is a pagination indicator '1-1'. At the bottom of the interface, there is a 'Task' section with a navigation bar containing links: 'Home', 'Application 40382', 'Edit Page 6', 'Session', 'View Debug', 'Debug', 'Show Grid', 'Quick Edit', and 'Theme Roller'.

# RFE (SA,LD,CP,EXC)

Q

Go

Actions

Create

Q

No data found.

Processing

no data found

Approve lists for LD

Approve

Revoke

Return

Requests List

#

no data found

Q

Go

Actions

Create

Q

No data found.

Processing

no data found

Approve lists for CP

Approve

Revoke

Return

Requests List

#

no data found

Home

Application 40382

Edit Page 6

Session

View Debug

Debug

Show Grid

Quick Edit

Theme Roller

Q

Go

Actions

Create

Q

No data found.

Processing

no data found

Approve lists for EXC

Approve

Revoke

Return

Requests List

#

no data found

Home

Application 40382

Edit Page 6

Session

View Debug

Debug

Show Grid


Quick Edit

Theme Roller

# RFE (SA,LD,CP,EXC)

- ❑ Also, these following table also get updated when a decision is made
  - ❑ Notice contact: update the contact that will be sent notification when a decision is made
  - ❑ Status History: update the current status of the RFE
  - ❑ Comment: auto comment will be added saying that the decision for the RFE was made

# RFE (SA,LD,CP,EXC)



No data found.

Processing

no data found

Approve lists for SA

Approve

Revoke


Return

Requests List 450

Rfe Id	Explanation	Alt Protections	Approval Review Date	Status	Contact Role Code
450	C	C	-	100	SA APPROVER
455	C	C	-	100	SA APPROVER

1-2

[Home](#) [Application 40382](#) [Edit Page 6](#) [Session](#) [View Debug](#) [Debug](#) [Show Grid](#) [Quick Edit](#) [Theme Roller](#)



No data found.

Processing

no data found

Approve lists for SA

Approve

Revoke

Return

Requests List

Rfe Id	Explanation	Alt Protections	Approval Review Date	Status	Contact Role Code
455	C	C	-	100	SA APPROVER

1-1

[Home](#) [Application 40382](#) [Edit Page 6](#) [Session](#) [View Debug](#) [Debug](#) [Show Grid](#) [Quick Edit](#) [Theme Roller](#)



# RFE (SA,LD,CP,EXC)

Q

Go

Actions

Create

Q

No data found.

Processing

no data found

Approve lists for LD

Requests List

Approve

Revoke

Return

no data found

Q

No data found.

Processing

no data found

Approve lists for LD

Approve

Revoke

Return

Requests List

Rfe Id	Explanation	Alt Protections	Approval Review Date	Status	Contact Role Code
450	C	C	-	120	LD APPROVER

1 - 1

# Summary of SA,LD,CP,EXC feature

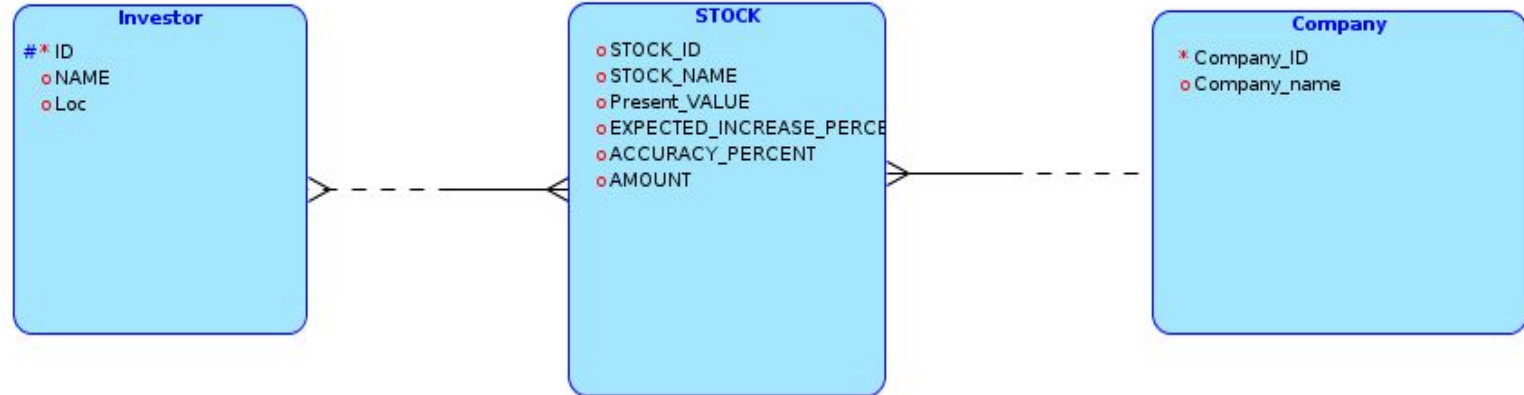
- ❑ The employees with these role have all the features that a requestor has
- ❑ They have a extra report that are the list of RFE waiting for the approval of the employee
- ❑ After choosing the RFE from the list, the employee can make decision to revoke, return or approve for the RFE
- ❑ In case of approval, the RFE will be submitted to the next level or given status as final approve
- ❑ Also, after choosing the RFE, the employee can also see without modify tasks, documents and notice contacts of the RFE. However, he/she can add comment
- ❑ These table will be update when a decision is made
  - ❑ Status History: update the status of the RFE
  - ❑ Comment: adding comment about the status updated of the RFE
  - ❑ Notice contact: update the people that should get notification when a decision is made

# Things that are missed or could be improved

- ☐ DDL3 File
- ☐ Auto email notification
- ☐ Strictly 2 roles by employee requirement
- ☐ an auto populated review date for Final Approved
- ☐ Extra data (double insert)
- ☐ Multiple selection of RFEs
- ☐ Submitted status

# PART II

# Conceptual model



# Header and Query

- ❑ The query return the characters of stock that James owns

STOCK\_EVALUATION

Log Out

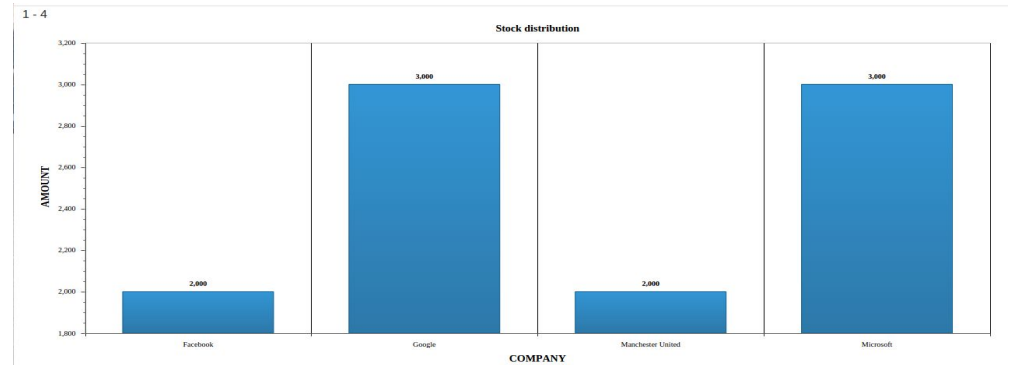
Db	<input type="text" value="jdbc:oracle:thin:@sayonara.microlab.cs.utexas.edu:1521:orcl"/>
User	<input type="text" value="C##cs347_ttn2363"/>
Pass	<input type="text" value="orcl_ttn2363"/>
Mode	<input type="text" value="rdf_mode"/>
Model	<input type="text" value="C9"/>
Returndimensions	<input type="text" value="False"/>
Returnfor	<input type="text" value="Neo4j_JSON"/>
Query	<input type="text" value="'MATCH (C:COMPANY)-&gt;{BELONG_TO}&gt;(S:STOCK)-&gt;{OWN}&gt;(I:INVESTOR) WHERE I.ID = 10 RETURN I.NAME,C.COMPANY_NAME'"/>

Submit

# Result

- ❑ Showing the table of stock characters
- ❑ Showing the graph of stocks and the amount of them

STOCK_EVALUATION				
Name	Stock Of	Value Per Stock	Stock Amount	Expected Increas...
JAMES	Google	200	3000	-3
JAMES	Facebook	100	2000	4
JAMES	Manchester Un...	113	2000	3
JAMES	Microsoft	130	3000	-3



# Github

<https://github.com/TrungNguyenBa/F15.C9>