

ManageUp

This is a JAVA SWING application that was created using WindowBuilder on Eclipse. It is designed for project-oriented organizations such as emerging IT companies. This “beta” version specially enables project manager (PM) to run queries and displays the results in a Grid on different panels. The App has two major panels: (1) Skills Assessment and (2) Project Status, in which queries may take in one or more parameters from user input. Both regular and action queries were included in this App.

Running Application:

- ❖ **Open in Terminal (or cmd on windows)**
 - run ManageUp.jar using the command line:
 - java -jar yourPathTo/ManageUp.jar
 - or just navigate to where the ManageUp.jar is and use the command:
 - java -jar ManageUp.jar
 - ◆ (Note: no space between “-jar”)
 - You will see the Application like this:



- ❖ **Connect to the database (login):**



- ❖ Welcome page with About info (also accessible by “About” button):

Welcome to ManageUp

An app project built for
CPSC 5021 Database Systems
Instructor: **Mike McKee**

Developed by Team 5 Members:
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Skill Assessment

Project Status

About

More features coming soon!

❖ First Panel – Skill Assessment:

- Click on “Skill Assessment” Button on the left
- You will see the first major panel as below:

Skills Assessment Report

Experts Top 5 Sk...

Experts: Employees with Over One Year of Experience by Skill Set

years_of_experience	user_id	employee	year_skill_acquired	skill_id	skill_name
3.33	1	Gabriella Irons	2015	2	Javascript
1.26	1	Gabriella Irons	2017	3	Python
2.33	2	Nicolette Hegge	2016	2	Javascript
3.78	2	Nicolette Hegge	2015	7	Sun Certified Java ...
2.15	3	Karon Chorlton	2016	3	Python
2.22	3	Karon Chorlton	2016	4	AWS
3.78	3	Karon Chorlton	2015	7	Sun Certified Java ...
2.90	4	Sibbie Bonanno	2016	1	Database design
1.55	4	Sibbie Bonanno	2017	2	Javascript
2.88	4	Sibbie Bonanno	2016	3	Python
2.05	5	Palmer Reburn	2016	2	Javascript
3.80	5	Palmer Reburn	2015	4	AWS
5.25	11	Samuel Chastan	2013	4	AWS
8.52	13	Celestyna Baldam	2010	5	Microsoft Certified...
5.04	13	Celestyna Baldam	2013	8	Azure
4.13	14	Colby Etter	2014	2	Javascript
1.68	14	Colby Etter	2017	3	Python
1.75	14	Colby Etter	2017	4	AWS
1.09	15	Lynne Hrishanok	2017	2	Javascript
2.31	15	Lynne Hrishanok	2016	3	Python
1.09	15	Lynne Hrishanok	2017	4	AWS
1.09	16	Pearline Kuschke	2017	1	Database design
1.09	16	Pearline Kuschke	2017	3	Python
8.92	16	Pearline Kuschke	2010	5	Microsoft Certified...
4.31	17	Christina O'Sheylan	2014	3	Python
1.09	17	Christina O'Sheylan	2017	4	AWS
1.09	18	Brade Emmer	2017	4	AWS

❖ **1st and 2nd Query Running:**

- Default page of Skill Assessment already loads the list of “Employees with more than one year of experience by skill set”. For this view, you can also access it by clicking on “Experts” button.

Experts
Top 5 Sk...

Experts: Employees with Over One Year of Experience by Skill Set

Employee Name

years_of_experience	user_id	employee	year_skill_acquired	skill_id	skill_name
3.33	1	Gabriella Irons	2015	2	Javascript
1.26	1	Gabriella Irons	2017	3	Python
2.33	2	Nicolette Hegge	2016	2	Javascript
3.78	2	Nicolette Hegge	2015	7	Sun Certified Java ...
2.15	3	Karon Chorlton	2016	3	Python
2.22	3	Karon Chorlton	2016	4	AWS
3.78	3	Karon Chorlton	2015	7	Sun Certified Java ...
2.90	4	Sibbie Bonanno	2016	1	Database design
1.55	4	Sibbie Bonanno	2017	2	Javascript
2.88	4	Sibbie Bonanno	2016	3	Python
2.05	5	Palmer Reburn	2016	2	Javascript
3.80	5	Palmer Reburn	2015	4	AWS
5.25	11	Samuel Chastan	2013	4	AWS
8.52	13	Celestyna Baldam	2010	5	Microsoft Certified...
5.04	13	Celestyna Baldam	2013	8	Azure
4.13	14	Colby Etter	2014	2	Javascript
1.68	14	Colby Etter	2017	3	Python
1.75	14	Colby Etter	2017	4	AWS
1.09	15	Lynne Hrishanok	2017	2	Javascript
2.31	15	Lynne Hrishanok	2016	3	Python
1.09	15	Lynne Hrishanok	2017	4	AWS
1.09	16	Pearline Kuschke	2017	1	Database design
1.09	16	Pearline Kuschke	2017	3	Python
8.92	16	Pearline Kuschke	2010	5	Microsoft Certified...
4.31	17	Christina O'Sheylan	2014	3	Python
1.09	17	Christina O'Sheylan	2017	4	AWS
1.09	18	Brade Emmer	2017	4	AWS

- For this list, you can also filter it by input of the Employee **first name**/last name/full name:
 - Press Enter key to show the filtered result:
 - PM can check the certain employee's experience and skill-related info.

Experts
Top 5 Sk...

Skills Assesment Report

Employee Name

years_of_experience	user_id	employee	year_skill_acquired	skill_id	skill_name
3.78	37	Cammy Rosettini	2015	5	Microsoft Certified...

❖ **3rd Query Running:**

- In this panel, you can also review the “Top 5 skills shared among employees” by clicking on this “Top 5” button:

Skills Assessment Report

Experts **Top 5 Sk...**

Top 5 Skills: The Most Common Skillsets Shared Among Employees

skill_id	skill_name	certification_required	number_of_employees
2	Javascript	0	23
3	Python	0	22
4	AWS	0	21
9	CompTIA A+	1	20
8	Azure	0	19

❖ **Second Panel – Project Status:**

- Click on “Project Status” Button on the left
- You will see the second major panel as below:

The ManageUp interface displays two main panels. On the left, a dark sidebar lists navigation options: Skill Assessment, Project Status (which is highlighted with a red box), and About. On the right, the Project Status Report panel is shown. It features a title bar "Project Status Report" with buttons for "Incomplete Tasks This Month" and "All Tasks". Below this is a button for "Insert New Task". At the bottom is a table with columns: TaskID, TaskName, DeliverableName, DaysBeforeEnd, Blocker, and ProjectName. The table currently contains no data.

❖ **4th Query Running:**

- In this panel, PM can review the latest list of “Incomplete tasks ending this month”, by simply clicking on this button on the top left:
- Check if any projects incomplete or overdue with blockers flagged or not for any decision making.

Project Status Report

Incomplete Tasks This Month
All Tasks

Insert New Task

Task	Days before Proj...	Project Ends	Blockers Flagged	Deliverable	Project	Manager
Set up test para...	4	2018-12-10	No	AB Testing	Zooeve Lotstrin...	Averyl Beasleigh
Create test que...	-5	2018-12-01	No	User Testing Re...	Meemmm Strateg...	Solly Setterfield

❖ **5th Query Running:**

- General view of “All tasks ordered by end date” by clicking on “All Tasks” button:
- All tasks are ordered by end date in descending order. Scroll down if needed.

Incomplete Tasks This Month
All Tasks
Enter Employee Name

Insert New Task

Task	Finish Date	Expected Comp...	Real Completion ...	Blockers	Difficulty Rating	Employee
Draft report wit...	2019-02-28 1...	3.25	3.25	0	3	Cammy Rosettini
Evaluate wheth...	2019-02-28 0...	103.5	107.25	1		Corrina McBryde
Unit Test Image...	2019-02-24 1...	34.0	34.0	1	4	Brade Emmer
Meet with stake...	2019-02-24 0...	4.0	4.0	0	3	Roseanne Frome
Design second ...	2019-02-22 0...	103.0	83.0	1		Phil Belliss
Research stake...	2019-02-21 0...	5.5	4.5	0	5	Phil Belliss
Update permis...	2019-02-20 1...	5.0	5.0	0	4	Minetta Virr
Redirect site to ...	2019-02-20 1...	4.0	4.0	0	3	Tamra Grieswo...
Research hostin...	2019-02-20 0...	77.25	73.0	1	3	Corrina McBryde
Build REST API f...	2019-02-19 0...	71.75	57.75	0		Emlynn Duckerin
Research hostin...	2019-02-18 1...	3.25	3.25	0		Filippa Oldcroft
Create Dashbo...	2019-02-17 1...	92.0	92.0	0	4	Filippa Oldcroft
Connect service...	2019-02-17 1...	2.75	2.75	0		Filippa Oldcroft
Map Sources of...	2019-02-11 1...	123.25	120.0	1		Tobias Grishan...
Review user ac...	2019-02-11 0...	70.0	80.0	0	4	Davine McNelly
Follow up phon...	2019-02-10 1...	3.0	4.2	0		Lynne Hrishanok
Set up Search E...	2019-02-09 1...	86.75	81.75	1		Nestor Betjes
Set up Search E...	2019-02-08 1...	4.0	4.0	0		Pattie Cherrett
Create test que...	2019-02-05 0...	65.75	69.0	0		Con Yesinin
Follow up phon...	2019-02-04 2...	5.5	5.5	0	5	Corrina McBryde
Set up test par...	2019-02-03 2...	47.75	48.75	0		Corrina McBryde
Script test sequ...	2019-02-02 1...	3.25	3.25	1		Emlynn Duckerin
Follow up phon...	2019-01-30 1...	5.5	3.5	0	5	Minetta Virr
Design user frie...	2019-01-28 1...	24.0	19.75	0		Minetta Virr
Draft technical ...	2019-01-27 1...	6.0	5.0	1		Phil Belliss
Design draft m...	2019-01-27 1...	90.25	81.75	0		Phil Belliss
Design initial wi...	2019-01-25 2...	26.25	23.0	0	5	Corrina McBryde

❖ 6th Query Running:

- Enter the Employee **first name**/first name initial or part to check all tasks under certain employee.
- Make sure you select all /delete default text in the text field before entering.
- Press Enter key in keyboard to finish parameter input.
- This text field has a Focus Gain/Lost function (which goes back to default info “Enter Employee Name” inside, after the mouse pointer clicks other buttons).

Task	Finish Date	Expected Compl...	Real Completion ...	Blockers	Difficulty Rating	Employee
Draft report wit...	2019-02-28 1...	3.25	3.25	0	3	Cammy Rosettini
Create Dashboa...	2018-11-11 0...	60.25	62.0	0	4	Cammy Rosettini
Create CMS Ad...	2018-09-05 0...	23.75	23.75	0		Cammy Rosettini
Create authenti...	2018-08-31 2...	2.25	2.0	0		Cammy Rosettini
Brainstorm with ...	2018-08-26 1...	16.5	16.5	0		Cammy Rosettini
Create CMS Ad...	2018-07-04 1...	5.0	6.5	0	3	Cammy Rosettini
Map Sources of ...	2018-05-20 0...	45.0	44.0	0	3	Cammy Rosettini
Update manual ...	2018-02-16 1...	5.75	4.5	0		Cammy Rosettini
Design initial wi...	2017-06-28 2...	5.0	5.5	0	3	Cammy Rosettini
Draft report wit...	2017-06-26 2...	53.5	57.5	0		Cammy Rosettini
Create a Herok...	2017-03-27 0...	89.25	87.75	0		Cammy Rosettini
Set up SSL certif...	2017-03-27 0...	3.25	3.25	0		Cammy Rosettini
Commit latest b...	2016-12-09 2...	2.5	2.5	0	4	Cammy Rosettini
Build an image ...	2016-10-10 2...	1.0	1.0	0	5	Cammy Rosettini
Performance an...	2016-09-16 2...	35.25	37.25	0	3	Cammy Rosettini
Redirect site to ...	2016-08-09 2...	46.75	43.5	0		Cammy Rosettini
Draft hosting re...	2016-04-29 1...	5.0	5.0	0	5	Cammy Rosettini

❖ 7th Query Running:

- In this panel, PM can also assign new task to a certain employee with input of 3 parameters.
- Click on “Insert New Task”, you will see 3 text fields:
- A tip shows in the table field, please read it:

Tip for Insert New Task:
 Please type in TaskName, DeliverableID and EmployeeID. Press Enter ↴ to finish insert.

- Type in the Task Name, Deliverable ID and Employee ID, and press Enter to finish:
- Another Tip popped out, please read it:

Tip for Check Your Insert:
 Type in task owner name in EmployeeName textfield and press Enter ↴. You will see the newly-inserted task at the end.

- To double check you insert, go back to “Employee Name” text field on the top right.
- Enter “Cammy” again (ID = 37), you will see the newly-inserted task is listed at the end.

Project Status Report

[Incomplete Tasks This Month](#) [All Tasks](#) [Cammy](#)

[Insert New Task](#) Debug 1 37

Task	Finish Date	Expected Compl...	Real Completion ...	Blockers	Difficulty Rating	Employee
Draft report wit...	2019-02-28 1...	3.25	3.25	0	3	Cammy Rosettini
Create Dashboa...	2018-11-11 0...	60.25	62.0	0	4	Cammy Rosettini
Create CMS Ad...	2018-09-05 0...	23.75	23.75	0		Cammy Rosettini
Create authenti...	2018-08-31 2...	2.25	2.0	0		Cammy Rosettini
Brainstorm with ...	2018-08-26 1...	16.5	16.5	0		Cammy Rosettini
Create CMS Ad...	2018-07-04 1...	5.0	6.5	0	3	Cammy Rosettini
Map Sources of ...	2018-05-20 0...	45.0	44.0	0	3	Cammy Rosettini
Update manual ...	2018-02-16 1...	5.75	4.5	0		Cammy Rosettini
Design initial wi...	2017-06-28 2...	5.0	5.5	0	3	Cammy Rosettini
Draft report wit...	2017-06-26 2...	53.5	57.5	0		Cammy Rosettini
Create a Herok...	2017-03-27 0...	89.25	87.75	0		Cammy Rosettini
Set up SSL certif...	2017-03-27 0...	3.25	3.25	0		Cammy Rosettini
Commit latest b...	2016-12-09 2...	2.5	2.5	0	4	Cammy Rosettini
Build an image ...	2016-10-10 2...	1.0	1.0	0	5	Cammy Rosettini
Performance an...	2016-09-16 2...	35.25	37.25	0	3	Cammy Rosettini
Redirect site to ...	2016-08-09 2...	46.75	43.5	0		Cammy Rosettini
Draft hosting re...	2016-04-20 1...	5.0	5.0	0	5	Cammy Rosettini
Debug						Cammy Rosettini

❖ You may click on “Disconnect” button on the left to log out.

Summary:

In this application construction, we learned a lot from various aspects. First, we understood how to access database from java and set the connection via JDBC. Second, we developed and optimized the GUI using WindowBuilder in Eclipse. It helped us gain experience on UI design and learn quite a few fundamental skills. Furthermore, we practiced on the Java coding on this Java SWING application building, which was also combined with database setup and manipulation on MySQL Workbench.

In this project, we harvested knowledge, experience as well as team playing spirit. The cooperation of the team produced this App. It is still a “beta” version with part implementation of the queries we created, but more features/details should be added in the future to make it work better in the real world.

Thanks for using it😊