# **ERPsim**Start of Term Webinar / 2023 Edition

#### **Please Note**

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Webinar
Online | August 9, 2023



Serious games to learn enterprise systems and business analytics

### Agenda

- 1. Welcome
- 2. Teaching SAP using ERPsim testimonial
- 3. Highlights 2022-2023
- 4. ERPsim licensing, training, certification
- 5. ERPsim 2023-2024
  - New Game(s)
  - New and improved features
- 6. **Q&A**

#### **Testimonial**

Teaching SAP using ERPsim: Past, present and future at Sherbrooke University



Olivier Caya, Ph.D.

Professor

Department of Information Systems and Quantitative Management Methods

Sherbrooke University

### Highlights of 2022-2023

- ERPsim was used in more than 250 universities!
- Launch of the new Manufacturing Sustainability game
- Improvement to existing games
- New transactions to improve gameplay and game support
- New per-event licensing
- Revamp of the certification program
- Digital badging for certifications and competitions
- Launch of "SAP ERPsim Challenges" in different markets

### Game-based Learning for ERP

#### **ACADEMIC**

19+ years in use3 000+ faculty trained

Every year, more than

6 000+ simulations are played by

25 000+ students

across

250+ universities

from around the world

#### **COMMERCIAL**

Many large organizations, such as Boeing, Coca-Cola, 3M, Kraft, Caterpillar, Pfizer and SAP, are using ERPsim to train their end-users on ERP systems.



#### **RESEARCH**

Several researchers have started using ERPsim to run experimental protocol in IS.

Visit

http://erpsim.hec.ca/research

#### **WINNER OF THE**

2013 Prix de l'innovation pédagogique Cidegef/FNEGE

2007 Majdi Najm Award

2006 HEC Montréal Award for teaching excellence for an assistant professor

2005 HEC Montréal Award for the use of technology in teaching





### **ERPsim Competitions 2023**







June 8, 2023



May 12, 2023



May 26, 2023



Jan 17, 2023



Mar 31, 2023



Mar 24, 2023



Apr 20, 2023

### **ERPsim Licensing Options**

#### Individual licenses

Purchased directly by students Valid for one course, for the full semester

#### **Bulk purchase**

Pricing adjusted to UN Human Development Index Inquire for a quote

#### **Event-based pricing**

For a short-term use (competitions, gameathons, open days, recruitment days, intra-university games, intro courses) Limited access to instructional assets

#### Free use for research

For qualified experimental research

### **Pricing and Support**

#### **ERPsim License**

\$57 CAD per student, valid for one course (max. 6 months)

Effective price from August 1<sup>st</sup> 2023 to July 31<sup>st</sup> 2024.

May change at anytime.

Visit https://erpsim.hec.ca/buy for conditions.

In the event of a disparity between the price presented on this slide and the one on https://erpsim.hec.ca/buy, the latter shall prevail.

#### The license includes

- For the student:
  - i. Access to the simulation game
  - ii. Access to the pedagogical material (job aids, participant's guide, slides, self-training videos, etc.)
- For the professor:
  - Ability to start and manage any of the game scenarios, unlimited for the duration of the course.
  - ii. Access to technical and pedagogical support from HEC Montréal.













### **ERPsim Training and Certification**



New to ERPsim must first complete the basic instructor certification





Experienced users should consider the advanced course





Interested in training other faculty members, seek the Trainer certification



Training available as a self-paced online course and in-person

Get started at erpsim.hec.ca/certification

### FACULTY HIGHLIGHT SERIES





- A series of interviews showcasing the work of faculty members
- Learn more about their experience, teaching best practices, research projects, and tips and tricks using ERPsim
- A new entry showcased every two weeks!

erpsim.hec.ca/faculty-highlight-series

### **SAP System**

Version

SAP S/4HANA 2022

**Supported UI** 

SAP Fiori and SAP GUI

**Analytics** 

SAP standard reports

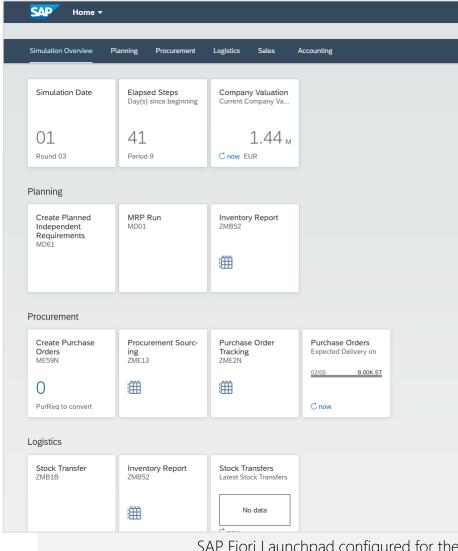
**Smart Business** 

OData Service 2.0

Languages (BETA)

English, French, Spanish,

German



SAP Fiori Launchpad configured for the Logistics Extended game

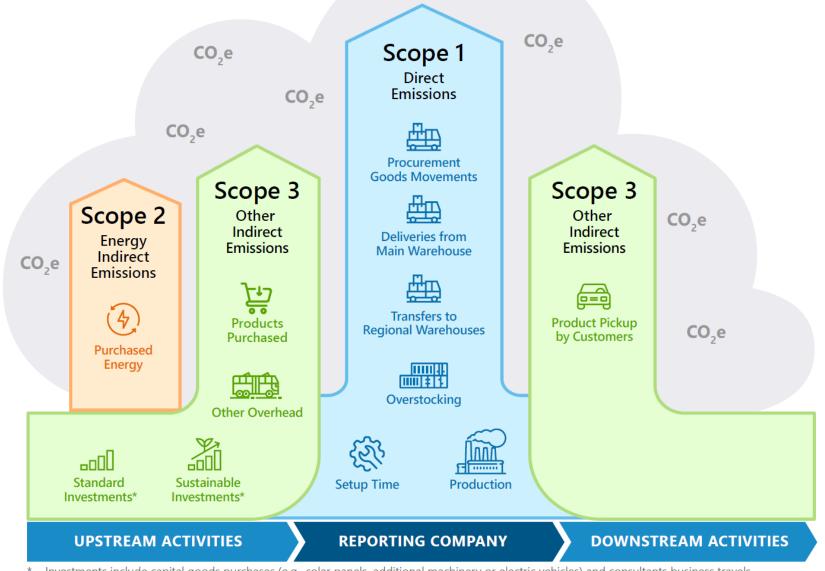




#### **New Game Scenario**

#### **Manufacturing Sustainability**

- Maintain profitable operations while keeping carbon footprint low
- More variables in decision making
- Customize it to your liking



\* Investments include capital goods purchases (e.g., solar panels, additional machinery or electric vehicles) and consultants business travels.



### Improvements for Sustainability Scenarios

#### For both Logistics and Manufacturing

Carbon footprint now has an impact on company valuation

### New game in development

Retail game retired from the lineup

A new game is currently under development. Stay tuned!



Simulation Monitoring

**■** Instructor Reports

Simulation Paused...

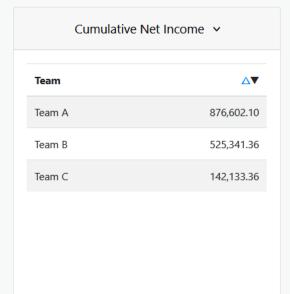
Simulation Monitoring / Manufacturing Int

You can navigate between

Info Viewer Leaderboard

Results for Round: « 1 2 »

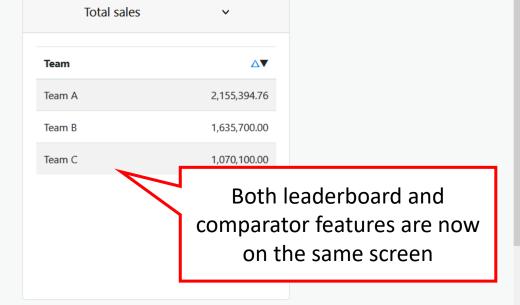
Team	al Stateme Credit ratings	Interest Rate (%)	Rank	Company valuation	Cumulative Net Income	Total sales	Gross Margin	Net Margin	ROE (%)	ROA (%)	D/E (%)	Mktg/S (%)	Round Net	Round Productivity	Round Sales
	racings	(70)		7414441711	Tree meeting	54145	(%)	(%)	(70)	(70)	(70)	(70)		riounctivity	per realit
Α	AAA+	6.000	1	52,596,126.00	876,602.10	2,155,394.76	67.440	40.670	4.199	4.199	0.000	0.000	446,135.42	80.000	1,085,294.76
В	AAA+	6.000	2	31,520,481.60	525,341.36	1,635,700.00	67.382	32.117	2.559	2.559	0.000	0.000	94,874.68	40.000	565,600.00
C	AAA+	6.000	3	8,528,001.60	142,133.36	1,070,100.00	67.171	13.282	0.706	0.706	0.000	0.000	(288,333.32)	0.000	0.00



End/20

2/12

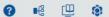
	Company valuation	~
Team		Δ▼
Team A		52,596,126.00
Team B		31,520,481.60
Team C		8,528,001.60



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Manufacturing Introduction











**ERPsim Client** Setup ZSTART

Control Panel

**ZCONTROL** 

Troubleshooting

Administrator Reports

User Management ZUSER

Account(s) locked

External Links ZLINK

Scrap Inventory ZSCRAP

Loan Repayment ZLOAN

Troubleshooting

Process Goods Movements Errors COGI

Error(s) found

Predefined Confirmation Processes CO1P

Rejected Production Orders ZREJECTED



Release(s) Rejected

Administrator Reports

Inventory Report ZMB52

Purchase Order Tracking ZME2N



Production Report ZCOOIS



Sales Order Report ZVA05



Summary Sales Order Report ZVC2



Display Price List VK33



Financial Statements Fiori



Company Valuation Report ZVAL



#### **New transactions**

#### **ZLINK**

 Provides interface to give links to students at specific rounds

#### **ZRPA**

 AI-based forecast transaction for the Digital Transformation curriculum

#### ZFB50

- Makes investment decisions easy
- Only available in MNF Sustainability for now

### New transactions (admin only)

#### **ZSCRAP**

 Allows scrapping inventory of select companies and add financial impact accordingly

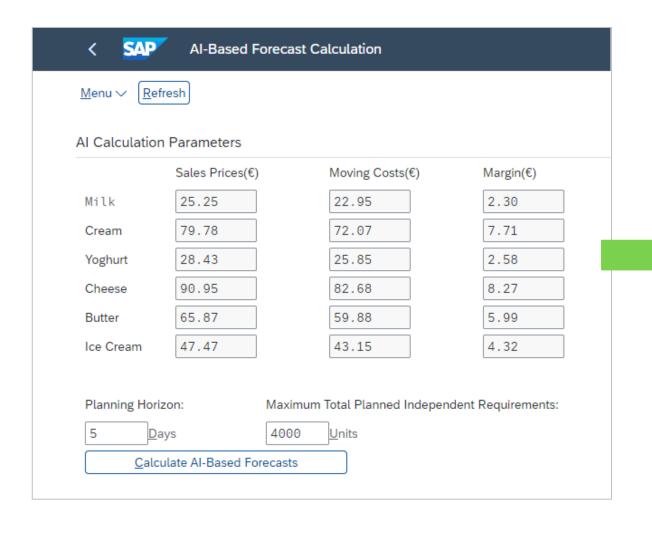
#### **ZREJECTED**

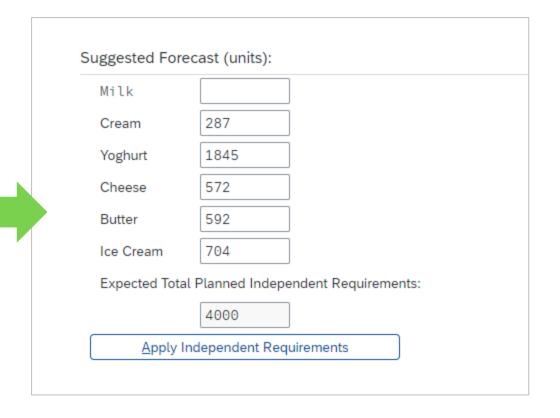
 Allows modifying and releasing production order with "release rejected" status

#### **ZLOAN**

 Allows reimbursing any team's bank loan in one click, using available cash from said team

## ZRPA – Al-based Forecast for Digital Transformation Curriculum



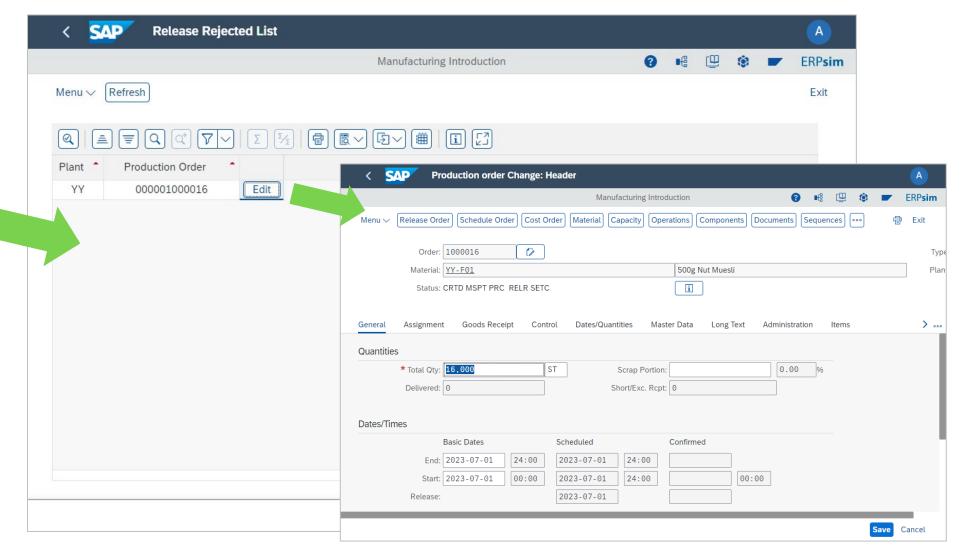


### ZREJECTED – Fix Rejected Prod. Orders

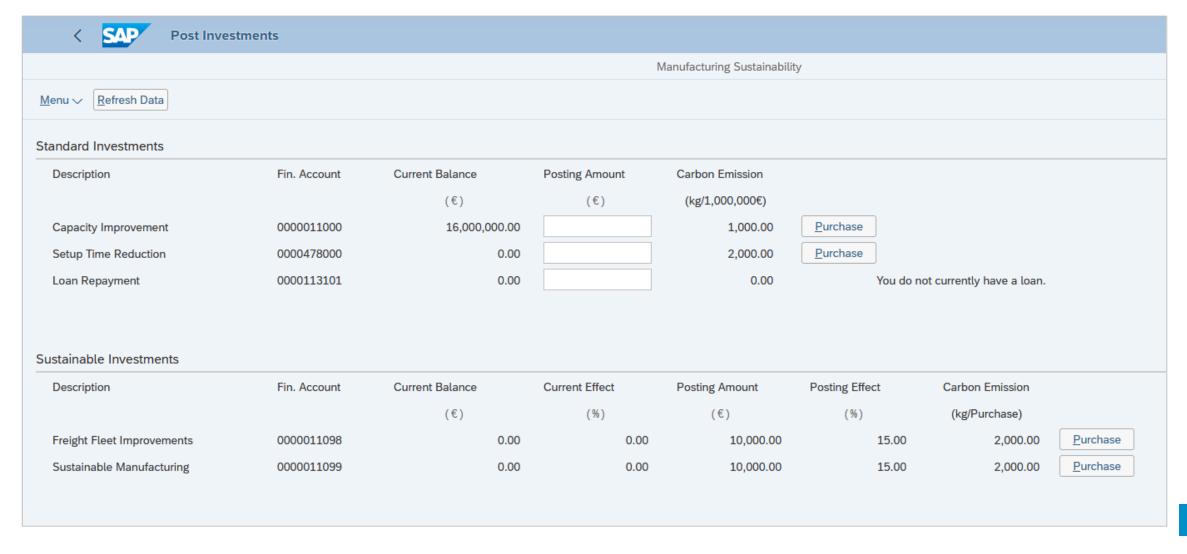
Rejected
Production Orders
ZREJECTED

A 1

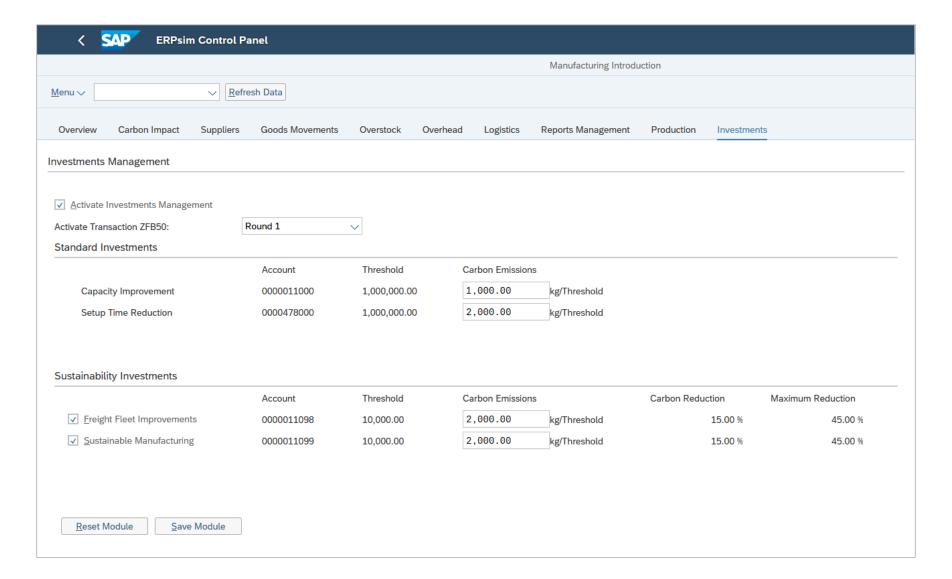
Release(s) Rejected



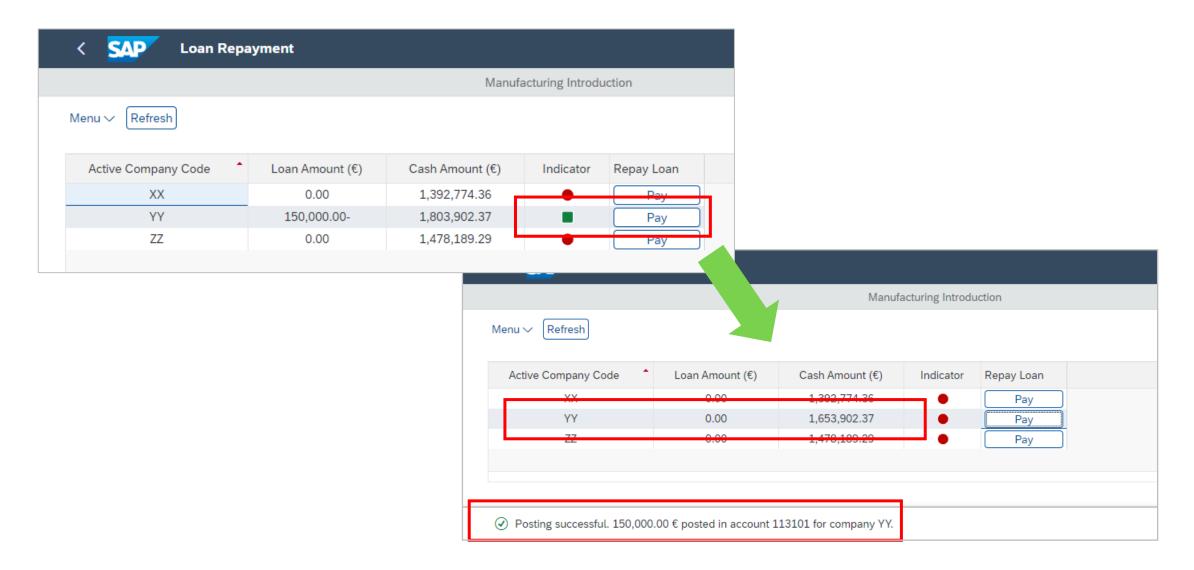
#### **ZFB50 – Investments**



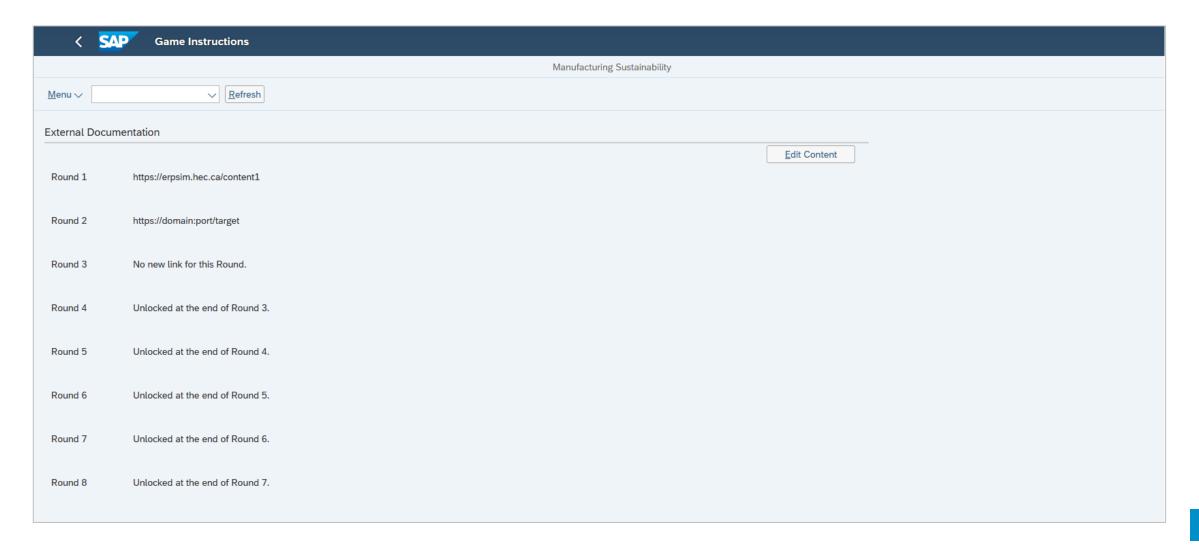
#### **ZFB50** – Investments



### **ZLOAN – One-click Bank Load Repayment**



#### **ZLINK**

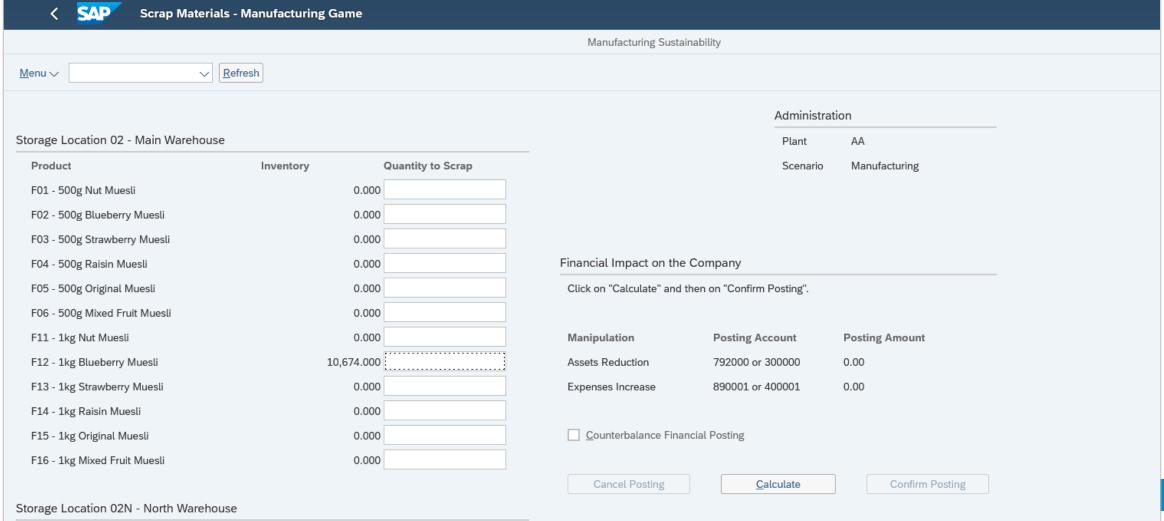


### **ZSCRAP – Eliminate Excess Inventory**

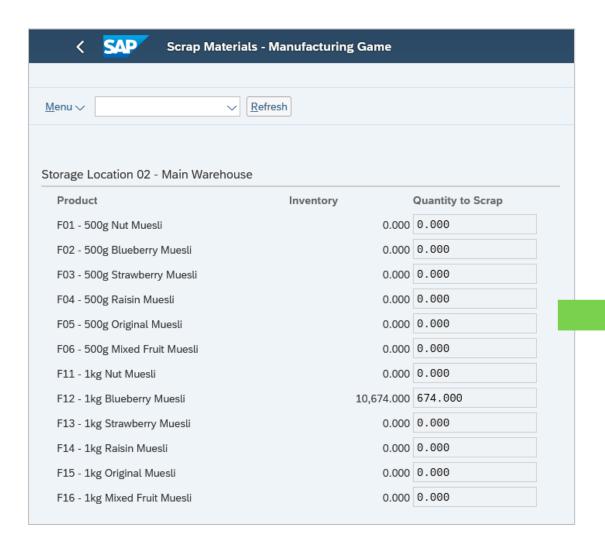
Quantity to Scrap

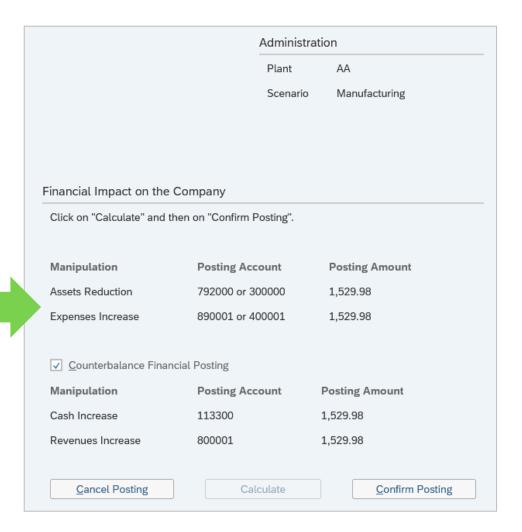
Inventory

Product

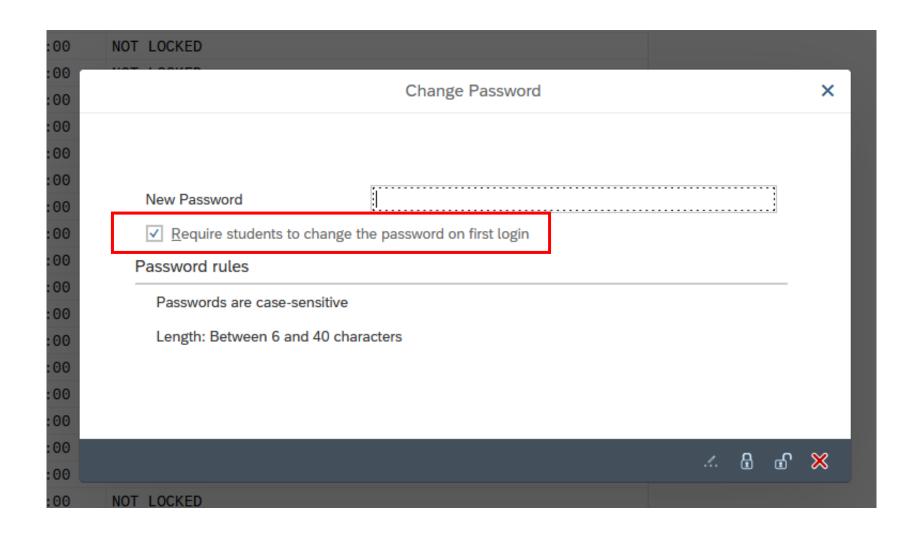


### **ZSCRAP – Eliminate Excess Inventory**

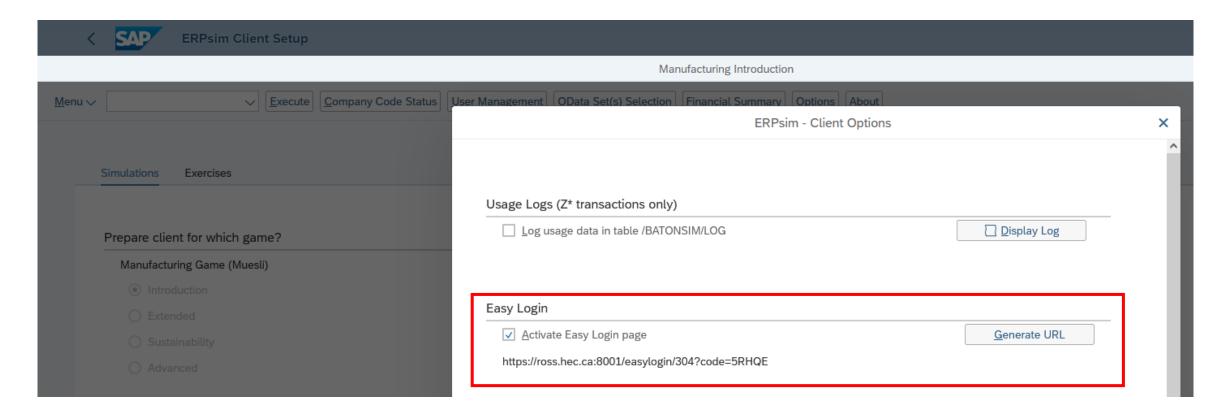




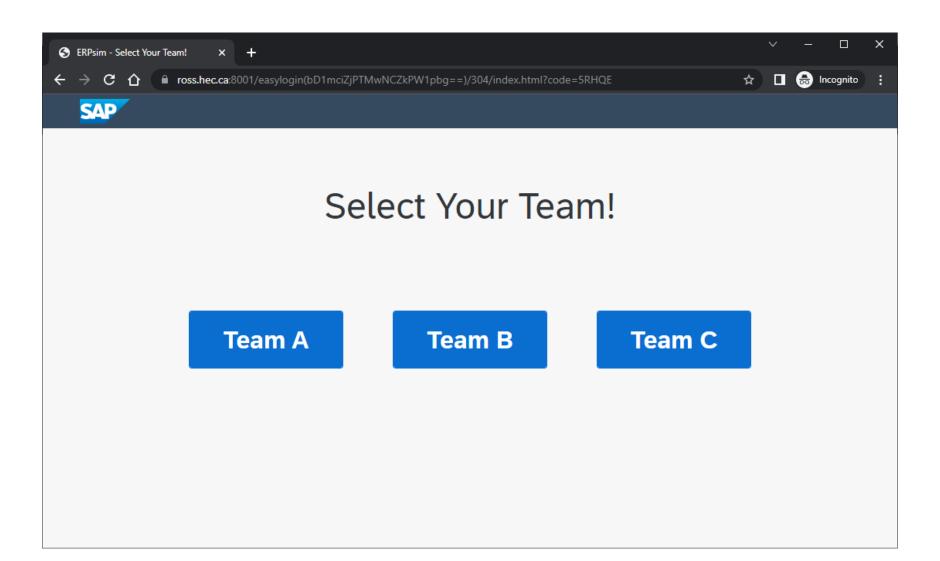
#### **ZUSER**



### **Easy Login**



### **Easy Login**

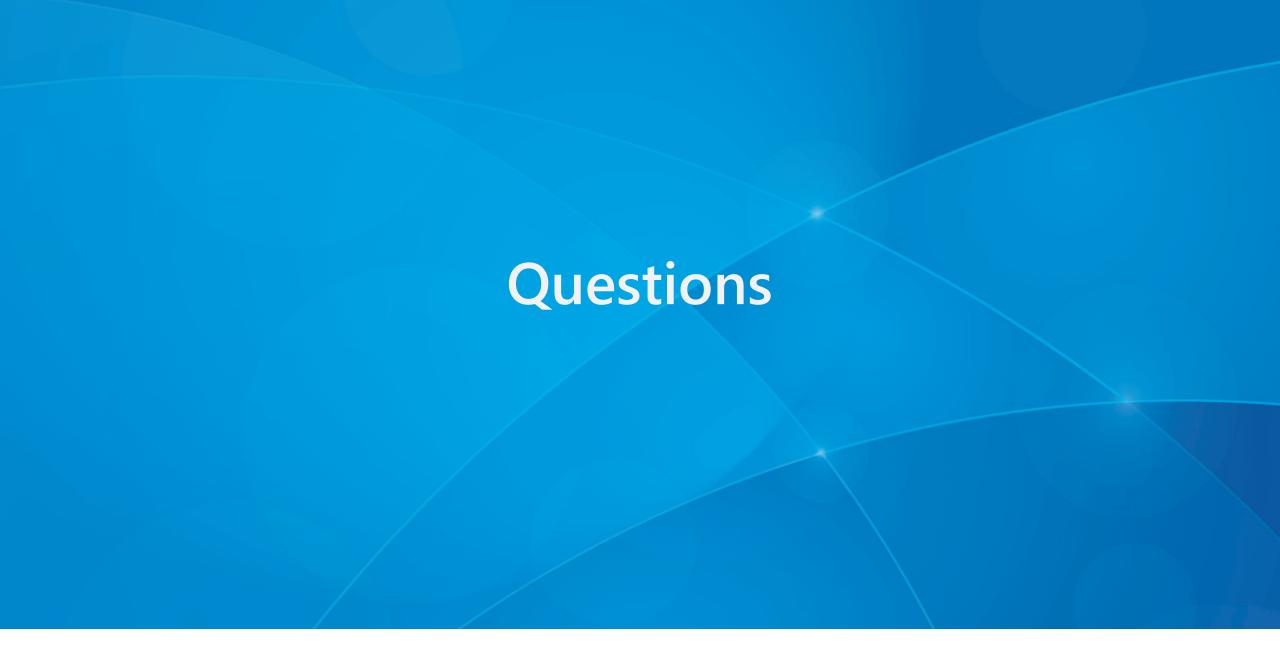


#### Instructional Assets and Curricula

### Job Aids, Slides, Guides, Videos

- All job-aids, slides and guides updated for academic year 2023-2024
- Available in English and French
- Available by August 18
- For videos, available with French, English, and Spanish subtitles









### Thank You!

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