ERPsim Academic Version 2011-12

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Director, ERPsim Lab

Jean-Francois Michon
Operation Manager, ERPsim Lab
About PML

Dr Pierre-Majorique Léger is an associate professor in information technologies at HEC Montréal, Director of the ERPsim Lab and Co-Director of Tech³Lab.

He holds a Ph.D. in Industrial Engineering from École Polytechnique de Montréal and has done post-doctoral studies in Information Technologies at HEC Montréal and NYU Stern.

He is one of the primary inventors of ERPsim, a simulation game used to teach ERP concepts, which is now used in more than 150 universities worldwide, and many Fortune 1000 organizations such as SAP, ABB, Conoco Philips and Deloitte.

His current research focuses on NeuroIS.
About Jean-Francois Michon

Jean-Francois currently holds the position of ERPsim Lab Operations Manager. He is responsible for supporting faculty members using ERPsim, developing our internal processes and our external activities, managing the support team and contributing to product development. Jean-Francois holds a Master's Degree in Administration (E-Commerce) from Université de Sherbrooke and a Bachelor’s Degree in Administration (Information Technology) from HEC Montréal.
ERPsim Lab’s mission is to conduct research, develop new products and bring innovation to the field of IT simulation games.

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

Many large organisations such as Deloitte, SAP, Coca Cola and Crayola, are using ERPsim to train their end-users on ERP systems

More than 160 universities worldwide are using ERPsim to teach ERP concepts to over 8000 students annually

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http://erpsim.hec.ca
ERPsim Lab: Our Team

• Research Team
  • Prof. Pierre-Majorique LÉGER, Ph.D., Director ERPsim Lab (HEC Montréal)
  • Prof. Gilbert BABIN, Ph.D. (HEC Montréal)
  • Prof. Jacques ROBERT, Ph.D. (HEC Montréal)
  • Prof. Robert PELLERIN, Ph.D. (École Polytechnique de Montréal)
  • Prof. Bret WAGNER, Ph.D. (Western Michigan University)

• 2011-2012 Technical Team
  • Mr. Jean-François MICHON, M.Sc., Operations Manager
  • Mr. François PARÉ, Executive Consultant
  • Ms. Kym DAWSON, B.A., Communications Manager
  • Ms. Stéphanie BOURGAULT-MONGEAU, B.Com., Project Manager
  • Mr. Patrick SAPINSKI, Programmer
  • Mr. Philippe HÉBERT, B.Com, Analyst
  • Mr. Olivier DUBÉ, B.Com, Analyst
  • Mr. El-Hassane NDIAYE, Analyst
  • Mr. Arnaud PAQUET, Analyst
  • Mr. Juan GUILLEN, Analyst
  • Mr. Marc HÉBERT ST-PIERRE, Analyst
  • Mr. Julien PERRET, M.Sc., Research Assistant
  • Ms. Andréa MONGUILOD, MA, Research Assistant
  • Mr. Carl ST-PIERRE, MA, Statistician
Moving Toward a Competency Approach

From a standard approach…

… to a competency approach

Kang and Santhanam, 2004
Paradigm Shift in IT Education

- Paradigm Shift in Teaching
  - From instructors to coaches
  - From specialized technical knowledge to holistic business knowledge

- Paradigm Shift in Learning
  - From “point-and-click” to discovery of how SAP can help achieve business goals
  - From technical questions to business strategy issues
ERPsim

ERP System (SAP)

Participants

1) Automation of administrative tasks
2) Simulation of a market
3) Simulation of passing of time

1) Business analytics
2) Business decisions
Pedagogical Objectives

- Demonstrate how ERP systems support business strategies
- Develop a hands-on understanding of underlying enterprise system concepts
- Experience the tangible benefits of enterprise integration firsthand
- Develop technical decision making skills using enterprise software

MBA students experiencing ERPsim at HEC Montréal - 2007
Targeted Simulation Games

- **ERPsim for Introduction to MIS**: A fun and engaging introduction to ERP systems
- **ERPsim for Non-IT**: Demonstrates the power of integration to business and engineering students of all disciplines
- **ERPsim for Business Analysts**: A configuration experience for IT analysts designed to make links between what is experienced in the game and the business roles involved in ERP implementation
- **ERPsim for Executives**: A simulation designed to let executives experience the different challenges of ERP implementation
When Learning Occurs in ERPsim

<table>
<thead>
<tr>
<th>Activity</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading the associated textbook</td>
<td>49</td>
</tr>
<tr>
<td>In the lecture presentation prior to the simulation game</td>
<td>49</td>
</tr>
<tr>
<td>During class preparation</td>
<td>49</td>
</tr>
<tr>
<td>In the team discussions before the simulation is played</td>
<td>49</td>
</tr>
<tr>
<td>Following the simulation when the students meet between classes</td>
<td>49</td>
</tr>
<tr>
<td>During the debriefing with the instructor</td>
<td>49</td>
</tr>
<tr>
<td>During the simulation itself</td>
<td>49</td>
</tr>
</tbody>
</table>

n = 49 faculty

Léger et al, do not cite.
Available Games

HEC MONTRÉAL ERP SIMULATION GAME
Academic 2011-2012
powered by ERPsim

HEC MONTRÉAL ERP SIMULATION GAME
Distribution Game (Academic)
powered by ERPsim

HEC MONTRÉAL ERP SIMULATION GAME
Manufacturing Game (Academic)
powered by ERPsim

HEC MONTRÉAL ERP SIMULATION GAME
Logistics Game
powered by ERPsim
New material in 2011-2012

- **ERPsim Analytics Solution**
  - The Lab’s latest innovation is designed to let students experience the full potential of SAP analytics solutions, such as SAP Crystal Dashboard Design, while developing their decision making skills in the dynamic ERPsim environment.

- **Readings on Enterprise Resource Planning**
  - A textbook co-authored by over 20 SAP UA faculty members, written to provide a more holistic understanding of ERP. This e-book helps students make links between what they learn in the classroom and ERP in the real world.

- **ERP Simulation Game: Changing the Way We Teach & Learn ERP Systems**
  - Written by the inventors of ERPsim, this indispensable teaching tool containing a full set of notes about ERPsim and how to use it to keep your students fully engaged.
Upcoming development for 2012-2013

- **ERPsim Data Extractor**
  - An improved way to analyze transactional, configuration, and scenario data using Microsoft ACCESS.

- **ERPsim Faculty iPad Application**
  - A tool that pre-emptively alerts you when teams need assistance, so that you can help keep them on track and fully engaged.

- **Unified SAP Client**
  - Coming soon in 2012 all ERPsim games will be configured on a single SAP client, allowing you maximum flexibility when teaching your class.
Introduction to Logistics Game
Logistics Game

- In groups of at most 4 participants, each team has to operate a company selling dairy products.
- Using standard reports, participants must make business decisions in order to ensure the profitability of their operations.
Dairy Products
Logistics Game Design

Your company owns a main warehouse which receives and stores products you have purchased from a dairy cooperative.
## Products Details

<table>
<thead>
<tr>
<th>Products</th>
<th>Unit</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$S-T01</strong></td>
<td>Box of 9 units</td>
<td>22,95 €</td>
</tr>
<tr>
<td><strong>$S-T02</strong></td>
<td>Box of 28 units</td>
<td>72,07 €</td>
</tr>
<tr>
<td><strong>$S-T03</strong></td>
<td>Box of 12 units</td>
<td>25,85 €</td>
</tr>
<tr>
<td><strong>$S-T04</strong></td>
<td>Box of 20 units</td>
<td>82,68 €</td>
</tr>
<tr>
<td><strong>$S-T05</strong></td>
<td>Box of 20 units</td>
<td>59,88 €</td>
</tr>
<tr>
<td><strong>$S-T06</strong></td>
<td>Box of 8 units</td>
<td>43,15 €</td>
</tr>
</tbody>
</table>
Market Preferences

Each region has unique preferences related to the products it purchases from your company. Preferences change every game.
One Price List in Distribution Channel 16

You will need to set-up prices for your products. The price for each product will be applied in all 3 regions.
Transportation Fees

You will have to manage transportation fees carefully in order to maximize your company’s profits.

Cost: 1000 € per PO

Cost: 100 € per regional transfer
You must determine a logistics strategy in order to make your products available for sale through your regional storage location.

OR
A Push Logistics Strategy

A Push strategy specifies the quantity of each product to be delivered to each area, and the number of days between deliveries.
A Pull Logistics Strategy

A Pull strategy specifies the **target quantity** for each product in each area and the **number of days** between deliveries.
Rules

- Each round will last 20 days (a bit more than one minute per day)
- End-of-round inventory is carried over to the next round.
- You may sell a product only if the stock is available through your regional storage location.
- You are competing against other teams.
- Your objective is to maximize profits.
Game Layout

Round 1
- 20 minutes
- 20 days

Round 2
- 20 minutes
- 20 days

Round 3
- 20 minutes
- 20 days

Complete Business Process

Operations
- ZMB1B: Stock transfer
  - Products: Main warehouse
- VK32: Maintain price list
  - Products: Area's storage

Reports
- ZMB52: Inventory report
- ZVC2: Summary sale report
- ZVA05: Sale report
- F.01: Financial Statement

Allocation Process

Sales Process
4 Players Per Team

Logistics Manager

Stock Manager

Pricing Manager

Sales Vice-President
Job Aids (1/2)

## Products

### $S-T01 Milk
- Unit: Box of 9 units
- Cost: 22.95 €

### $S-T04 Cheese
- Unit: Box of 20 units
- Cost: 82.68 €

### $S-T02 Cream
- Unit: Box of 28 units
- Cost: 72.07 €

### $S-T05 Butter
- Unit: Box of 20 units
- Cost: 59.88 €

### $S-T03 Yoghurt
- Unit: Box of 12 units
- Cost: 25.85 €

### $S-T06 Ice Cream
- Unit: Box of 8 units
- Cost: 43.15 €

## General information

### German Market
- **North**: 4 stores
- **South**: 4 stores
- **West**: 4 stores
- **East**: 4 stores

### Suppliers
- Lead time (days): 1-3
- Payment time (days): 2

### Customers
- Lead time (days): 1-3
- Payment time (days): 2

### Days / Quarter
- 20

### Distribution Channel
- DC16: Retail stores

### Replenishment Inventory (Quarter 1)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Units (every 5 Days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T01</td>
<td>Milk</td>
<td>950</td>
</tr>
<tr>
<td>T02</td>
<td>Cream</td>
<td>300</td>
</tr>
<tr>
<td>T03</td>
<td>Yoghurt</td>
<td>700</td>
</tr>
<tr>
<td>T04</td>
<td>Cheese</td>
<td>350</td>
</tr>
<tr>
<td>T05</td>
<td>Butter</td>
<td>450</td>
</tr>
<tr>
<td>T06</td>
<td>Ice Cream</td>
<td>380</td>
</tr>
</tbody>
</table>

### Total Market Size
- Approx. €6,000 per company per day
Job Aids (2/2)

Logistics Manager

Login $TRANSFER Password ERPsim

Complete Business Process

Replenishment Level

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Number of Units (every 5 days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS-101</td>
<td>Milk</td>
<td>1400</td>
</tr>
<tr>
<td>SS-102</td>
<td>Cream</td>
<td>300</td>
</tr>
<tr>
<td>SS-103</td>
<td>Yoghurt</td>
<td>900</td>
</tr>
<tr>
<td>SS-104</td>
<td>Cheese</td>
<td>600</td>
</tr>
<tr>
<td>SS-105</td>
<td>Butter</td>
<td>450</td>
</tr>
<tr>
<td>SS-106</td>
<td>Ice Cream</td>
<td>350</td>
</tr>
</tbody>
</table>

Transportation fees

<table>
<thead>
<tr>
<th>Destination</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplies to main warehouse</td>
<td>€1000</td>
</tr>
<tr>
<td>Main warehouse to storage location</td>
<td>€100</td>
</tr>
</tbody>
</table>

Allocation Process

Sales Process

Stock Transfer Planning (ZM31B)

1. Choose between a push and a pull stock allocation logistic
2. Choose your delivery schedule
3. Enter the amount of products you wish to send/maintain in each region

Roles:
- Logistics Manager
- Stock Manager
- VP Sales
- Pricing Manager

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SAP Navigation
4 Players Per Team

- **Logistics Manager**
  - Login: $_transfer
  - Password: ERPSIM

- **Stock Manager**
  - Login: $_stock
  - Password: ERPSIM

- **Pricing Manager**
  - Login: $_pricing
  - Password: ERPSIM

- **Sales Vice-President**
  - Login: $_sales
  - Password: ERPSIM

**N.B.**: $ is your team letter
Login Information

Client will be provided by the instructor

Login:

According to your role:

$_transfer
$_stock
$_pricing
$_sales
$_report

Where $ is your team letter

Password: ERPSIM

You will have to change your password the first time you enter.
SAP Menu & Navigation

Top Menu: Extras / Settings / Display Technical Names
Training for Your New Job!
Logistics Game: Logistics Manager
Transfer Planning Logistics

**stock transfer**

Stock Transfer Planning (ZMB1B)

1. Choose between a push and a pull stock allocation logistic
2. Choose your delivery schedule
3. Enter the amount of products you wish to send/maintain in each region

**Stock Transfer Planning**

- **Planning Mode**
  - Push
  - Pull
- **Scheduling**
  - 3 days

**Allocation Plan**

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
<th>North</th>
<th>South</th>
<th>West</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZZ-T01</td>
<td>Milk</td>
<td>200</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>ZZ-T02</td>
<td>Cream</td>
<td>300</td>
<td>200</td>
<td>400</td>
</tr>
<tr>
<td>ZZ-T03</td>
<td>Yoghurt</td>
<td>300</td>
<td>400</td>
<td>200</td>
</tr>
<tr>
<td>ZZ-T04</td>
<td>Cheese</td>
<td>400</td>
<td>200</td>
<td>400</td>
</tr>
<tr>
<td>ZZ-T05</td>
<td>Butter</td>
<td>200</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>ZZ-T06</td>
<td>Ice Cream</td>
<td>200</td>
<td>400</td>
<td>400</td>
</tr>
</tbody>
</table>

**Clear**
### Stock Levels in Material Overview

#### Inventory Report

<table>
<thead>
<tr>
<th>Warehouse Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finished Goods: 1.852 / 4.000</td>
</tr>
<tr>
<td>Raw Materials: 0 / 250.000</td>
</tr>
<tr>
<td>Packaging: 0 / 1.000.000</td>
</tr>
</tbody>
</table>

#### Inventory Report: Quarter 4 Day 01

<table>
<thead>
<tr>
<th>Sloc</th>
<th>Material</th>
<th>Descr.</th>
<th>Stock</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>ZZ-T01</td>
<td>Milk</td>
<td>600</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T02</td>
<td>Cream</td>
<td>2</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T03</td>
<td>Yoghurt</td>
<td>0</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T04</td>
<td>Cheese</td>
<td>0</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T05</td>
<td>Butter</td>
<td>0</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T06</td>
<td>Ice Cream</td>
<td>0</td>
<td>ST</td>
</tr>
<tr>
<td>03N</td>
<td>ZZ-T01</td>
<td>Milk</td>
<td>0</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T02</td>
<td>Cream</td>
<td>72</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T03</td>
<td>Yoghurt</td>
<td>0</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T04</td>
<td>Cheese</td>
<td>223</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T05</td>
<td>Butter</td>
<td>43</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T06</td>
<td>Ice Cream</td>
<td>8</td>
<td>ST</td>
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<tr>
<td>03S</td>
<td>ZZ-T01</td>
<td>Milk</td>
<td>78</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T02</td>
<td>Cream</td>
<td>52</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T03</td>
<td>Yoghurt</td>
<td>116</td>
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</tr>
<tr>
<td></td>
<td>ZZ-T04</td>
<td>Cheese</td>
<td>57</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T05</td>
<td>Butter</td>
<td>63</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T06</td>
<td>Ice Cream</td>
<td>5</td>
<td>ST</td>
</tr>
<tr>
<td>03W</td>
<td>ZZ-T01</td>
<td>Milk</td>
<td>0</td>
<td>ST</td>
</tr>
<tr>
<td></td>
<td>ZZ-T02</td>
<td>Cream</td>
<td>123</td>
<td>ST</td>
</tr>
</tbody>
</table>
Maintain Prices for DC 16

change price

**Condition Maintenance: Change (VK32)**

1. Open *prices* folder and dbl click on *Price list*
2. In *Distribution channel*, enter DC 16
3. In *Material*, enter product code (optional)
4. Enter your prices

<table>
<thead>
<tr>
<th>CnTy</th>
<th>Curr.</th>
<th>Material</th>
<th>ReSt</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR00</td>
<td>EUR</td>
<td>ZZ-T01</td>
<td>Milk</td>
<td>25,25</td>
</tr>
<tr>
<td>PR00</td>
<td>EUR</td>
<td>ZZ-T02</td>
<td>Cream</td>
<td>79,28</td>
</tr>
<tr>
<td>PR00</td>
<td>EUR</td>
<td>ZZ-T03</td>
<td>Yoghurt</td>
<td>28,43</td>
</tr>
<tr>
<td>PR00</td>
<td>EUR</td>
<td>ZZ-T04</td>
<td>Cheese</td>
<td>90,95</td>
</tr>
<tr>
<td>PR00</td>
<td>EUR</td>
<td>ZZ-T05</td>
<td>Butter</td>
<td>65,87</td>
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<tr>
<td>PR00</td>
<td>EUR</td>
<td>ZZ-T06</td>
<td>Ice Cream</td>
<td>47,47</td>
</tr>
</tbody>
</table>
Logistics Game: Sales Vice-President

VP Sales

Login \$_SALES Password ERPSIM

Replenishment Inventory

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Units (over 5 days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Milk</td>
<td>300</td>
</tr>
<tr>
<td>102</td>
<td>Sausage</td>
<td>300</td>
</tr>
<tr>
<td>103</td>
<td>Yogurt</td>
<td>300</td>
</tr>
<tr>
<td>104</td>
<td>Cheese</td>
<td>350</td>
</tr>
<tr>
<td>105</td>
<td>Butter</td>
<td>400</td>
</tr>
<tr>
<td>106</td>
<td>Ice Cream</td>
<td>300</td>
</tr>
</tbody>
</table>

Transportation fees

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milk</td>
<td>€1000</td>
</tr>
<tr>
<td>Sausage</td>
<td>€100</td>
</tr>
</tbody>
</table>

Complete Business Process

Operations

Products stored in warehouse

Products sent to storage

Reports

Sales summary report

Product usage summary report

Allocation Process

Sales Process

Financial statement

Sales and market data

Login $SALES Password ERPSIM
### Checking the Sales Summary Report

#### Summary Sales Order Report

<table>
<thead>
<tr>
<th>Qtr</th>
<th>Day</th>
<th>Descr</th>
<th>Orders</th>
<th>Qty</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>Butter</td>
<td>4</td>
<td>62</td>
<td>4,083.94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cheese</td>
<td>5</td>
<td>61</td>
<td>5,506.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ice Cream</td>
<td>2</td>
<td>56</td>
<td>2,592.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Milk</td>
<td>6</td>
<td>244</td>
<td>6,160.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yoghurt</td>
<td>5</td>
<td>250</td>
<td>7,100.00</td>
</tr>
<tr>
<td>09</td>
<td>08</td>
<td>Butter</td>
<td>3</td>
<td>42</td>
<td>2,778.00</td>
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<tr>
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<td>Cheese</td>
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<td>54</td>
<td>4,908.00</td>
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<tr>
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<td>14</td>
<td>1,114.00</td>
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#### Detailed Sales Order Report

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Checking the Financial Statements

1. In company code, enter your company number ($$)
2. Select AVL Tree Control
Logistic Game:
Round 1
Game timing

Round 1

20 days
## Cost, Inventory, and Initial Pricing

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<th>$$-T03$$</th>
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<td>Yoghurt</td>
<td>Cheese</td>
<td>Butter</td>
<td>Ice Cream</td>
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<td>700</td>
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The Logistic Game:
Round 1 (10 days)

Let’s start the simulator for 20 days!
Debriefing:
Round 1
Logistics Game:
Round 2
New Logins

Login: **ERP_${n}**
Password: **ERPSIM**

- Login: ERP_1$
  - Password: ERPSIM
- Login: ERP_2$
  - Password: ERPSIM
- Login: ERP_3$
  - Password: ERPSIM
- Login: ERP_4$
  - Password: ERPSIM
Login Information

Client will be provided by the instructor.

Login:

ERP_\$ #

Where $ is your team letter, and # is your team number.

Password: ERPSIM

You will have to change your password the first time you enter.
The Logistics Game: Round 2 (20 days)

Let’s start the simulator for 20 days!
Debriefing: Round 2
Flatening Effect
Logistics Game: Round 3
SAP Crystal Dashboard for ERPsim
Let’s start the simulator for the last 20 days!
Final Debriefing
Conclusion
Pedagogical Material and Resources
ERPsim Participant’s Guide

- The ERPsim Participant’s Guide (eBook) is the main source of ERPsim R&D funding.
- Authors of the eBook have transferred copyrights to ERPsim Lab.
- ERPsim Lab’s mission is to ensure the continued development and support of this simulation software.
- Proceeds from the sale of this eBook are used to fund the faculty support website and the team behind it.
Requirements

- HEC Montréal grants a free educational ERP Simulation Game license to members of the SAP University Alliance (client request subject to a fee from the UCC).
- Students must purchase electronic material and access to the simulation for the manufacturing game.
- In order to have access to the game, interested Faculty members require ERPsim Instructor Training (Level 1) from one of our ERPsim Certified Trainers.
SAP Summer Workshop

- Montreal, June 18 to 22, 2012
- Two Concurrent Tracks:
  - Level 1: ERPsim Instructor
  - Level 2: ERPsim Trainer
- Symposium on Experiential Learning in IT Education: June 17th
Level 1: ERPsim Instructor

Objectives:
- Learn how to use ERPsim effectively and become confident in using the solution
- Understand how to implement ERPsim and SAP in a curriculum

Coverage:
- Before the workshop
- Distribution game (pre-workshop game)
- During the workshop
- Manufacturing Introduction
- Manufacturing Extended
- ERPsim Console administration
- Simulation game and enactive learning pedagogical approaches

Additional notes
- A pre-workshop game is required. The remote game will use the Distribution game as an introduction to ERPsim.
# Level 1: ERPSim Instructor

<table>
<thead>
<tr>
<th>Day</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Intro Manufacturing</td>
</tr>
<tr>
<td>2</td>
<td>SAP related knowledge for manufacturing scenario</td>
</tr>
<tr>
<td>3</td>
<td>ERPSim console admin</td>
</tr>
<tr>
<td>4</td>
<td>Extended Manufacturing and pedagogical approaches</td>
</tr>
</tbody>
</table>
Level 2: ERPsim Trainer

- Pre-requisite
  - Level 1 training required

- Objectives:
  - Learn advanced ERPsim functionalities
  - Obtain Level 2 certification to become a “Train-the-Trainer”

- Coverage:
  - Logistics game
  - ERPsim BI and SAP Business Object
  - Advanced pedagogical approaches and troubleshooting

- Level 2 Certification Exam
# Level 2: ERPsim Trainer

<table>
<thead>
<tr>
<th>Day</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Logistics game</td>
</tr>
<tr>
<td>2</td>
<td>Enactive approach to learning BI</td>
</tr>
<tr>
<td>3</td>
<td>Enactive approach to learning BI and configuration</td>
</tr>
<tr>
<td>4</td>
<td>Advanced pedagogical approaches and ERPsim troubleshooting, and Level 2 certification exam</td>
</tr>
</tbody>
</table>
Symposium on Experiential Learning in IT Education: Call for Participation

- Organizers: Pierre-Majorique Léger (HEC Montréal), Paul Cronan (University of Arkansas), Jacques Robert (HEC) and Gilbert Babin (HEC Montréal)

- The purpose on this conference is to bring together researchers and educator willing to share their pedagogical experience and ongoing research related to the use of experiential learning in IT education.

- Workshop topics include, but are not limited to:
  - 1) Presentation of novel pedagogical material using experiential approach in IT, such as serious games, business simulation games and role playing simulations
  - 2) Research on the impact and benefits of experiential learning in IT.

- June 17, 2012 at HEC Montréal, Montreal, QC.
ERPsim Academic Version 2011-12

Prof. Pierre-Majorique Léger, Ph.D.
Director, ERPsim Lab

Jean-Francois Michon
Operation manager, ERPsim Lab