Team 4

ZHANG Zhunqi
Desmond Ho
Dai Wenjing
Bau Hon Tzern
Agenda

- Our company
- Our Master Data
- Our Transaction Process
- Additional Features
- Challenges & Learning Outcomes
Our Company
About us

Inspired by the movie “God of Gamblers, our company specializes in manufacturing and trading of classical Chinese board game called “Mahjong”.

HUAT 88 PTE LTD ™
HUAT 88 PTE LTD ™
Organization Level overview

Our Company

Master Data

Transaction Process

Additional Features

Challenges & Learning outcome

RT - retail
IN - internet
WH - wholesale

01 - Mahjong Games
02 - Mahjong Movies
03 - Mahjong Tutorials
04 - Mahjong Tiles
05 - Mahjong Accessories
06 - Mahjong Furniture
HUAT 88 PTE LTD ™ - Sales Area

Huat 88 Pte. Ltd

Huat Entertainment

Singapore

WH

IN

Mahjong Games, Mahjong Movies, Mahjong Tutorials

Malaysia

WH

Huat Mahjong

Singapore

IN

RT

WH

Mahjong furniture, Mahjong Accessories, Mahjong tiles

Malaysia

RT

WH

WH: Warehouse

IN: Internet

RT: Retail

Our Company

Master Data

Transaction Process

Additional Features

Challenges & Learning outcome
Enterprise structure Overview
HUAT Mahjong
HUAT Mahjong

Raw Materials: Plastics, Ink
Semi-Finished Goods: Furniture Components
Finished product: Mahjong Tiles, Mahjong Furniture, Mahjong Accessories
HUAT Mahjong

1. Raw Material
2. Semi-Finished Goods

Storage Location
1. Raw Material
2. Semi-Finished Goods
3. Finished Product

Raw Material/Semi-finished goods

Finished Products

Our Company
Master Data
Transaction Process
Additional Features
Challenges & Learning outcome
Cross Plant Purchasing Organization - procures material for all plants belonging to HUAT Mahjong.
There are more loading points at Plant 01H1 because the plants store a higher quantity of goods.
Enterprise structure Overview
HUAT Entertainment

Huat Entertainment

Plant - M’sia (Manufacturing + warehouse)
  - Storage Location (Trading Goods)
  - Storage Location (Semi-finished Goods)
  - Storage Location (Finished Product)

Plant - SG (warehouse)
  - Storage Location (Finished Product)
  - Storage Location (Trading Goods)

Purchasing Organization
Trading Goods: Mahjong Movies
Semi-Finished Goods: Mahjong Games software, Mahjong Tutorial software
Finished product: Mahjong Games, Mahjong tutorial
Cross Plant Purchasing Organization – procures material for all plants belonging to HUAT Entertainment.
Shipping Point
HUAT Entertainment

Plant 01H1 will be doing more than just delivery to customers, also to Plant 03H1 in Singapore.
Our Master Data
Master Data

1. General Ledger Accounts Master
2. Material Master
3. Customer Master
4. Vendor Master
Chart of Accounts

- **CAH1- Huat Mahjong**
- **CAH2- Huat Entertainment**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAC0</td>
<td>Sample chart of accounts for Colombia</td>
</tr>
<tr>
<td>CACZ</td>
<td>Chart of accounts - Czech Republic</td>
</tr>
<tr>
<td>CAES</td>
<td>Chart of accounts - Spain</td>
</tr>
<tr>
<td>CAFI</td>
<td>Chart of accounts - Finland</td>
</tr>
<tr>
<td>CAFR</td>
<td>Chart of accounts - France</td>
</tr>
<tr>
<td>CAH1</td>
<td>Chart of Accounts - Huat Mahjong</td>
</tr>
<tr>
<td>CAH2</td>
<td>Chart of Accounts – huat Entertainment</td>
</tr>
<tr>
<td>CAHU</td>
<td>Chart of accounts - Hungary</td>
</tr>
<tr>
<td>CAIN</td>
<td>Chart of accounts - India</td>
</tr>
<tr>
<td>CAJP</td>
<td>Chart of accounts - Japan</td>
</tr>
</tbody>
</table>
G/L Accounts

Account groups

| PROJ | BS       | Balance Sheet Accounts | 100000 | 399999 |
| PROJ | PL       | Income statement accounts | 400000 | 999999 |
| PROJ | RA       | Reconciliation Accounts | 110000 | 310000 |

- Balance Sheet Accounts (BS)
- Profit & Loss Accounts (PL)
- Reconciliation Accounts (RA)
- Retained Earnings Account
Material Master for Huat Mahjong

1. Raw Materials (ROH)
   - plastic, ink

2. Semi-finished Goods
   - table part and chair part

3. Trading Goods (HAWA)
   - Mahjong tile, chip, dice, table and chair
Material Master for Huat Entertainment

- Material types:
  1. Trading Goods (HAWA)
     - Movie, games and tutorial
Material Master

- Data/information being maintained in Material Master record for our Materials:
  - Basic Data
  - Purchasing Data
  - Plant/storage Location Data
  - Accounting Data
Material Master example – Mahjong Chips

- Trading goods: MC-0001-H1
Material Master example – Mahjong Chips

Plant data/Storage data

Accounting data
Customer Master

• Customer for Huat Mahjong
  - *Mahjong Purchasing 66*

• Customer for Huat Entertainment
  - *The Game House*
Customer Master Example - Mahjong Purchasing 66

- Data/information being maintained in Customer Master record for our customers:
  - General view
  - Sales
  - Accounting
Vendor Master Data

• Vendor for Huat Mahjong:
  - **Professional Plastic 22**

• Vendor for Huat Entertainment:
  - **T&W Pte. Ltd**
Vendor Master Example – Professional Plastic 22

- Data/information being maintained in Vendor Master record for our Vendors:
  - General Data
  - Accounting Data
  - Purchasing Data
Vendor Master Example – Professional Plastic 22

• Accounting Data
Vendor Master Example – Professional Plastic 22

- Purchasing Data

![Display Vendor: Purchasing data](image)

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vendor ID</td>
<td>100000</td>
</tr>
<tr>
<td>Vendor Name</td>
<td>Professional Plastic 22</td>
</tr>
<tr>
<td>Vendor Location</td>
<td>Singapore</td>
</tr>
<tr>
<td>Purchasing Org.</td>
<td>P0H1</td>
</tr>
<tr>
<td>Supplier Org.</td>
<td>Huat Mahjong Pur Org</td>
</tr>
<tr>
<td>Order currency</td>
<td>SGD</td>
</tr>
<tr>
<td>Terms of payment</td>
<td>0001</td>
</tr>
<tr>
<td>Incoterm</td>
<td></td>
</tr>
<tr>
<td>Minimum order value</td>
<td>0.00</td>
</tr>
<tr>
<td>Pricing date control</td>
<td>No Control</td>
</tr>
<tr>
<td>Order optim.rest.</td>
<td></td>
</tr>
</tbody>
</table>

### Sales data

<table>
<thead>
<tr>
<th>Salesperson</th>
<th>Telephone</th>
<th>Acc. with vendor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Transaction process
(Sales and Distribution)
Sales and Distribution Process

Step 1: Create sales order
• Department involved: Sales
• Customer: Mahjong Purchasing 66
### Sales and Distribution Process

**Create sales order 1**

**Department:** Sales

#### Create Standard Order: Overview

- **Net value:** 2,709.99 USD
- **Sold-to party:** 1, Mahjong Purchasing 66 / 
- **Ship-to party:** 1, Mahjong Purchasing 66 / 
- **PO Number:** HMJ-0001
- **PO date:** 19.09.2010
- **Req. delivery date:** 24.09.2010
- **Delivery plant:** 
- **Total weight:** 0.000 KG
- **Payment terms:** 0901 Pay immediately w/o Incoterms
- **Order reason:** 
- **Sales area:** 0251 / WH / D1, Huai Mahjong - MY, Wholesale, Mahjong Tile

#### All Items

<table>
<thead>
<tr>
<th>Item</th>
<th>Material</th>
<th>Order Quantity</th>
<th>Unit</th>
<th>Description</th>
<th>Customer Material Number</th>
<th>ITCs</th>
<th>DG/IP</th>
<th>HL Item</th>
<th>First Date</th>
<th>Print Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>MT-0081-H1</td>
<td>20</td>
<td>PAC</td>
<td>Finished set of mahjong tiles</td>
<td>TAN</td>
<td></td>
<td></td>
<td></td>
<td>24.09.2010</td>
<td>31H1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

The image shows a software interface for creating a standard sales order within the Sales and Distribution Process. The interface includes fields for order details, delivery information, and item specifications, allowing for the creation of a sales order with specific product details and delivery instructions.
Sales and Distribution Process

• Create purchase order (discount):

![Create Standard Order: Item Data](image)

<table>
<thead>
<tr>
<th>Sales Document Item</th>
<th>Item category</th>
<th>Standard item</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>RT-8961-H1</td>
<td>Finished set of mahjong tiles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Qty</th>
<th>Net</th>
<th>Tax</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 PAC</td>
<td>2,566.00 SGD</td>
<td>0.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pricing Elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>Price</td>
</tr>
<tr>
<td>Gross Value</td>
</tr>
<tr>
<td>Customer Discount</td>
</tr>
<tr>
<td>Material</td>
</tr>
<tr>
<td>Discount Amount</td>
</tr>
<tr>
<td>Rebate Basis</td>
</tr>
<tr>
<td>Net Value for Item</td>
</tr>
<tr>
<td>Net Value 2</td>
</tr>
<tr>
<td>Net Value 3</td>
</tr>
<tr>
<td>Total</td>
</tr>
<tr>
<td>Cash Discount</td>
</tr>
<tr>
<td>VPRS Internal price</td>
</tr>
<tr>
<td>Profit Margin</td>
</tr>
</tbody>
</table>
Sales and Distribution Process

• Order created:
Sales and distribution Process

Step 2: Create Delivery Note for Sales Order

Department: Warehouse

Delivery note for sales order: 80000000 for purchase order 2
Sales and distribution Process

Delivery Note for Sales Order created
Sales and distribution Process

Step 3: Pick Materials on Delivery Note

Department: Warehouse
Sales and distribution Process

Step 4: Post Goods Issue
Department: Warehouse
Sales and distribution Process

Step 5: Create Billing Document for Customer:
Department: Accounting
Sales and distribution Process

Step 6: Post Receipt for Customer Payment
Department: Accounting
Sales and distribution Process

Step 7: Post Receipt for Customer Payment

Department: Accounting

<table>
<thead>
<tr>
<th>Document</th>
<th>On</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Order</td>
<td>20.09.2010</td>
<td>Completed</td>
</tr>
<tr>
<td>Outbound Delivery</td>
<td>20.09.2010</td>
<td>Completed</td>
</tr>
<tr>
<td>Picking request</td>
<td>20.09.2010</td>
<td>Completed</td>
</tr>
<tr>
<td>GD goods issue: delvy</td>
<td>20.09.2010</td>
<td>complete</td>
</tr>
<tr>
<td>Invoice</td>
<td>20.09.2010</td>
<td>Completed</td>
</tr>
<tr>
<td>Accounting document</td>
<td>20.09.2010</td>
<td>Cleared</td>
</tr>
</tbody>
</table>
Sales and distribution Process

Step 8: Billing invoice
Department: Accounting
Transaction process (Procurement Process)
Procurement Process

Step 1: Create Purchase Order
Department: Purchasing

Standard PO created under the number 4500000001
Procurement Process
Step 2: Create Goods Receipt for Purchase Order
Department: Warehouse
Procurement Process

Step 2: Create Goods Receipt for Purchase Order
Department: Warehouse
Procurement Process

Step 3: Create Invoice Receipt from Vendor

Department: Accounting
Procurement Process

Step 4: Post Payment to Vendor

Department: Accounting
## Procurement Process

**Step 4: Post Payment to Vendor**

**Department: Accounting**

![Invoice Document](image)

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vendor</td>
<td>1000000</td>
</tr>
<tr>
<td>Company Code</td>
<td>88H1</td>
</tr>
<tr>
<td>Huat Mahjong</td>
<td>Singapore</td>
</tr>
<tr>
<td>G/L Acc</td>
<td>300100</td>
</tr>
<tr>
<td>Doc. no.</td>
<td>51000000000</td>
</tr>
<tr>
<td>Line Item 1 / Invoice</td>
<td>31</td>
</tr>
<tr>
<td>Amount</td>
<td>100.00 SGD</td>
</tr>
<tr>
<td>Bus. Area</td>
<td></td>
</tr>
<tr>
<td>Disc. base</td>
<td>100.00 SGD</td>
</tr>
<tr>
<td>Pay Terms</td>
<td>0001</td>
</tr>
<tr>
<td>Bline Date</td>
<td>19.09.2010</td>
</tr>
<tr>
<td>Pmnt Block</td>
<td></td>
</tr>
<tr>
<td>Payment curr.</td>
<td></td>
</tr>
<tr>
<td>Pmnt Method</td>
<td></td>
</tr>
<tr>
<td>Assignment</td>
<td></td>
</tr>
<tr>
<td>Text</td>
<td>Invoice number 01234567</td>
</tr>
</tbody>
</table>

**Invoice Document**
Procurement Process

Step 4: Post Payment to Vendor

Department: Accounting
Procurement Process

4. Post Payment to Vendor
   Department: Accounting
Procurement Process

Invoice General ledger line items:

<table>
<thead>
<tr>
<th>C.</th>
<th>Itm</th>
<th>P</th>
<th>S</th>
<th>Account</th>
<th>Description</th>
<th>Amount</th>
<th>Curr.</th>
<th>Tx</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>31</td>
<td></td>
<td>100000</td>
<td>Professional Plastic 22</td>
<td>100.00</td>
<td>SGD</td>
<td>XI</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>86</td>
<td></td>
<td>310100</td>
<td>GR/IR Account</td>
<td>100.00</td>
<td>SGD</td>
<td>XI</td>
</tr>
</tbody>
</table>
Procurement Process

General Ledger View:
Additional Features
Procurement Cycle

1. Create Purchase Requisition
2. Purchase Requisition
3. Purchase order
4. Good Receipt
5. Invoice Receipt
6. Payment

Our Company
Master Data
Transaction Process
Additional Features
Challenges & Learning outcome
Purchase Requisition

- **Internal documents** you use to request your Purchasing Department to procure a particular quantity of material.
Create PR: Initial Screen (ME51N)

<table>
<thead>
<tr>
<th>Item</th>
<th>Material Data</th>
<th>Quantities/Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>MV-0001-H2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Batch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Material Group</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vendor Mat.</td>
<td></td>
</tr>
</tbody>
</table>

- **Material**: MV-0001-H2
- **Material Group**: Material group
- **Vendor Mat.**: Huat Entertain
- **Quantity**: 100
- **Unit**: ST
- **Deliv. Date**: 22.09.2010

Information: Purchase requisition number 001000000 created

- **OK** button
- **Help** button
Process Purchase Requisition

- **Purchasing Department** converts the purchase requisition into a:
  - Request for Quotation (RFQ)
  - Purchase Order (PO)
Process PR: Initial Screen (ME57)

Input:
- PR number
- Purchasing group
- Plant
Process PR: Assign and process PR

The system determines if valid sources of supply for “Mahjong Movies” are available.
Process PR: Overview of Assignment

Convert and Create PO
Process PR: Create Purchase Order

Able to view the list of Purchase Requisition and Purchase Order
Process PR: Purchase Order Created
Quantity Contract

• Purpose
  – Legal Agreement
    • Buyers can ensure that they have sufficient goods to meet market’s demand.
    • Sellers can be protected from unnecessary costly wastage as a result of mass produced goods left unsold.
  – Implication
Create Contract: Initial Screen (ME31K)

Initial Screen

Fields Filled
Create Contract: Header Data

Agreement Date: 20.09.2010
Validity Start: 20.09.2010
Validity End: 30.09.2010
### Create Contract: Item Overview

**Agreement:** [Blank]  
**Agreement Type:** MK  
**Agmt Date:** 20.09.2010  
**Vendor:** 100001  
**T&W Pte Ltd**  
**Currency:** SGD

### Outline Agreement Items

<table>
<thead>
<tr>
<th>Item</th>
<th>Material</th>
<th>Short Text</th>
<th>Targ. Qty</th>
<th>OUn</th>
<th>Net Price</th>
<th>P_i</th>
<th>OPU</th>
<th>Mat. Grp</th>
<th>Plnt</th>
<th>SLoc</th>
<th>D</th>
<th>Te...</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>M</td>
<td>GM-0001-H2</td>
<td>1500 ST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>M</td>
<td>Mahjong games</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Create Contract: Confirmation

Vendor:
Agreement Type: MK
Agreement Date: 20.09.2010
Agreement:

Organizational Data:
Purch. Organization: P0H2
Purchasing Group: AH2

Default Data for Items:
Item Category:
Acct Assignment Cat.:
Plant: 02H2
Storage Location: 14
Material Group:
Req. Tracking Number:
Vendor Subrange:

Acknowledgment Reqd:

Information:
Quantity Contract created under the number 4600000000

OK
Internal Stock Transfer

- A goods Issue and good receipt can happen within the same company.
- For our company, it's from plant to plant.
- Affects Financial Accounting and MRP.
Goods Receipt for Other Activities (MB1C)

Receipt w/o purchase order into warehouse
Goods Receipt for Other Activities (MB1C)
Challenges
Challenges

- When doing the real transition, we need to go back and check configuration.
- Spend a lot of time solving errors.
- Change the way our company operate due to the system.
- 4 person can’t do the configuration simultaneously.
- Miscommunication
Learning Outcome
Learning Outcome

- A better understanding of SAP system
  - Master Data
  - Navigation
  - Configuration

- Better understanding of certain business process/transaction

- This configuration is very surface (tip of an iceberg)
Thank you

Q & A