

Web Developer Internship Job Description

Alliance Minerals is Des Moines based international company in dimension stone business. It has fabrication facilities and quarried in Asia and routinely sourced products from China, India and Vietnam. Alliance Minerals is looking for one or two interns to develop a web based transaction system for its business. Alliance Minerals currently has a web based transaction system but intends to upgrade it to a better one in order to accommodate its multiple business and warehouse locations. This transaction system shall be able to create and process orders, manage the company's inventory and inventory/trade flow as well as multi-location warehouses; and this project shall be finished within 3-5 months, but as early as we can. A detail content flow structure is enclosed in this job description.

Responsibilities:

- Work together with company staff to understand the whole business transaction module and flow;
- Independently or work as a team (if we have 2 interns) to develop this web based transaction system;
- Work together with our outsourced IT firm to run this website on the development site.

Requirements:

- Proficient knowledge of major web development languages, databases and skill of web coding writing in order to make web run smoothly and efficiently;
- Knowledge of open source web development tools, such as Drupal, DotNetNuke...
- Strong analytical skills in order to execute the transaction model to web development;
- General knowledge about web design (this transaction web does not need to be colorful);
- Extensive knowledge of information tracking/message flow in the system;
- Website must pass basic web browser requirements for running on major browsers, such as IE, Firefox, safari, Opera, Google Chrome;
- Website must pass the security requirements;
- Strong logistical thinking to make the transaction flow follow company's business model;
- Visit company weekly to review the status of website development

Qualification:

- Preferred graduates or senior undergraduates in computer science, computer engineering and management information system majors with knowledge and skill of develop website;
- Good communication skill and willingness to work together with other people;
- Self-discipline in order to finish work on a timely basis
- Basic understanding of international trade is preferred but not required.

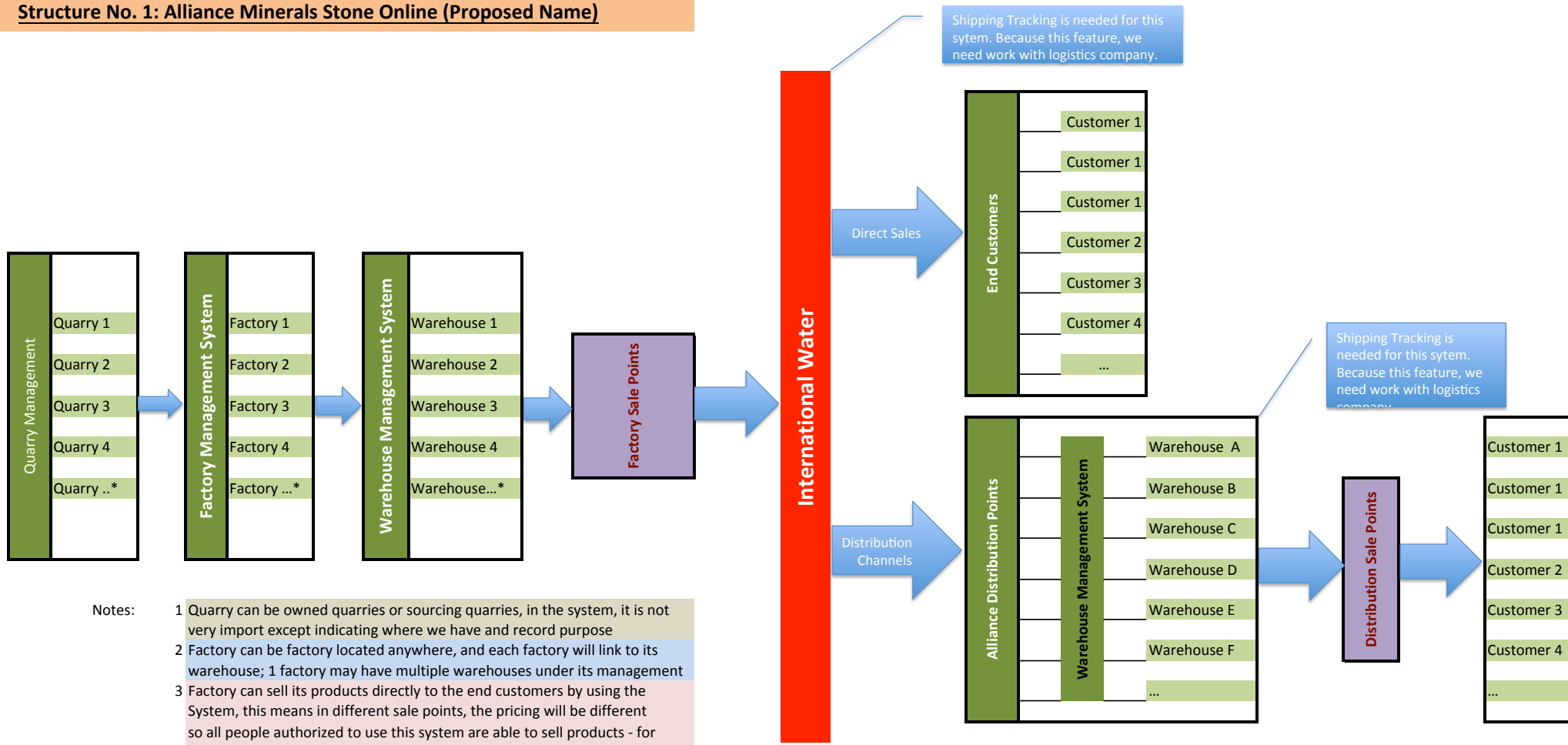
Compensation:

- \$12-14/hour and 20 hours per week;
- If traveling to company location regularly is needed, company will compensate for luncheon and trip expenses

Contacts:

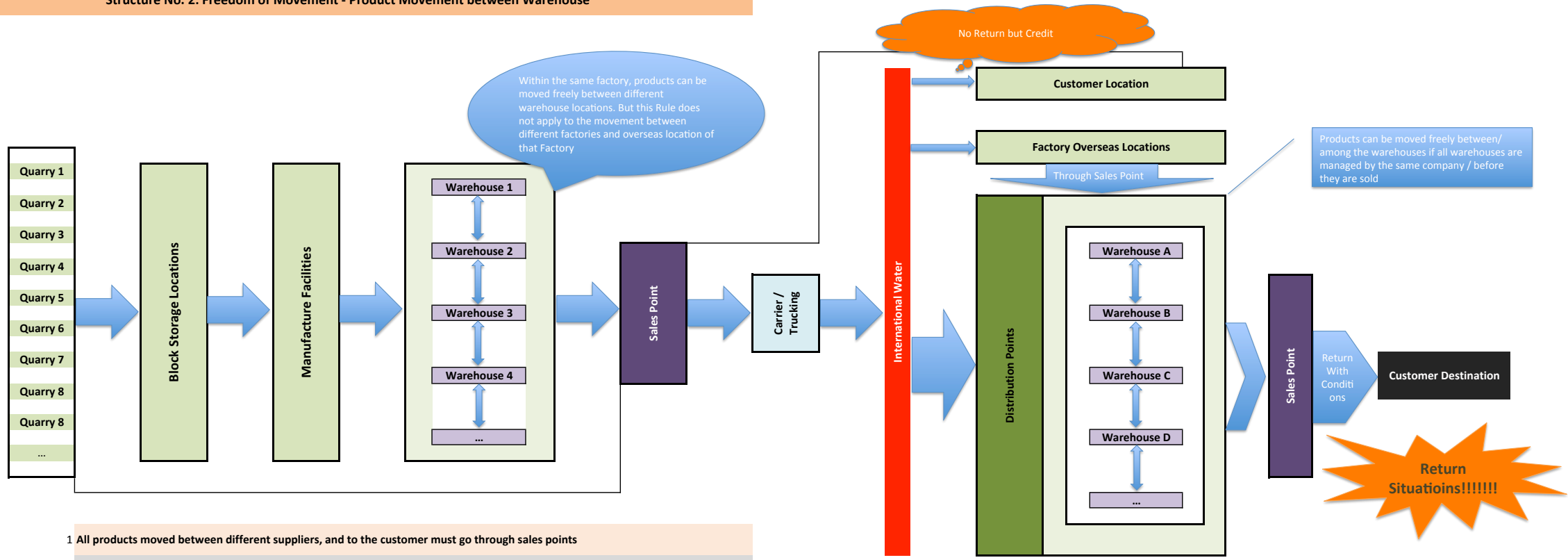
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Structure No. 1: Alliance Minerals Stone Online (Proposed Name)



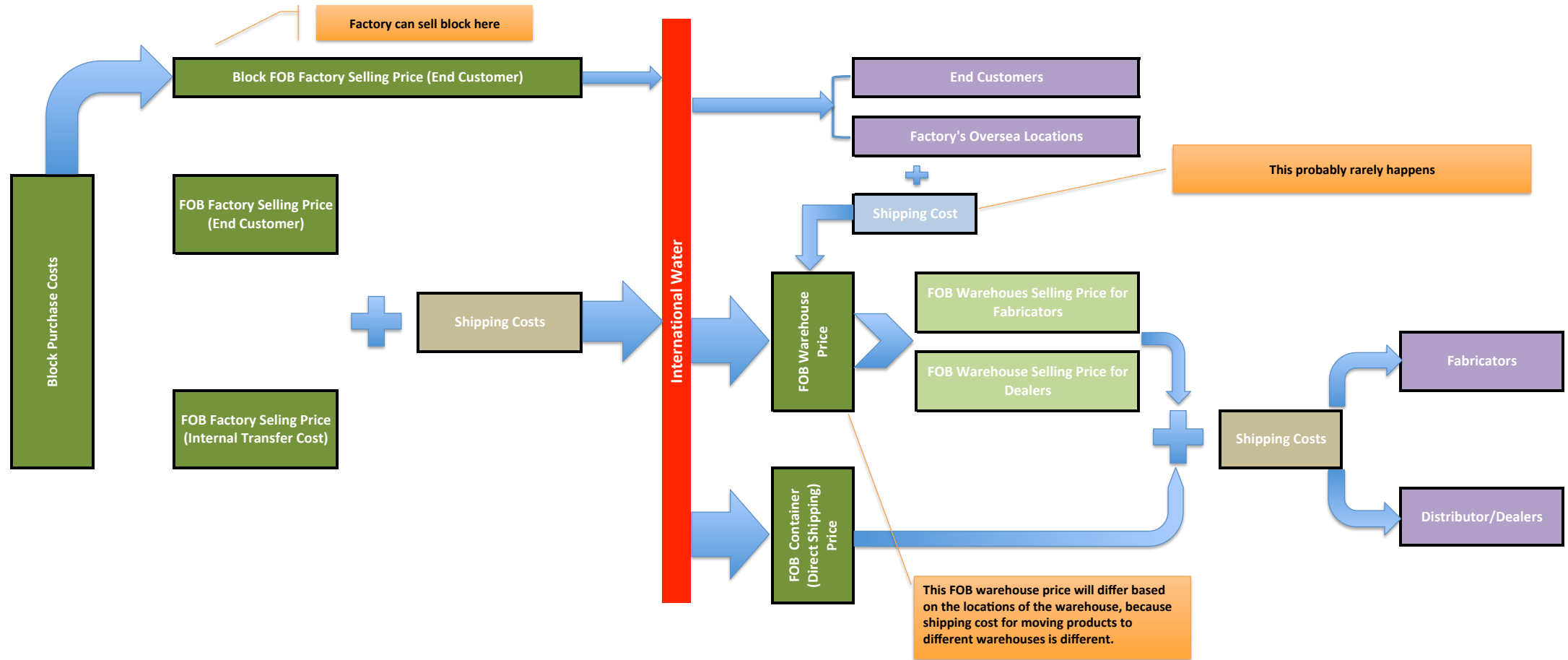
- Notes:
- 1 Quarry can be owned quarries or sourcing quarries, in the system, it is not very import except indicating where we have and record purpose
 - 2 Factory can be factory located anywhere, and each factory will link to its warehouse; 1 factory may have multiple warehouses under its management
 - 3 Factory can sell its products directly to the end customers by using the System, this means in different sale points, the pricing will be different so all people authorized to use this system are able to sell products - for non-Alliance Minerals supplier, legal arrangement is required
 - 4 This structure includes multiple factories, multiple warehouses and multiple selling points (this means India or Vietnam or other affiliates can use this system to process orders)
 - 5 management system, warehouse management system, shipping tracking system, order processing system, and pricing management and analysis system, financial management system, customer information management system, and eventually and online order placement system
 - 6 If we don't use it, eventually we can sell this system for money!!!!

Structure No. 2: Freedom of Movement - Product Movement between Warehouse



- 1 All products moved between different suppliers, and to the customer must go through sales points
- 2 The above situation only illustration for one factory. But it can apply to all factories if any!!!

Structure No. 3: Pricing Flow



Structure 4: Data Input Flow (1) - Facility Setting Up

