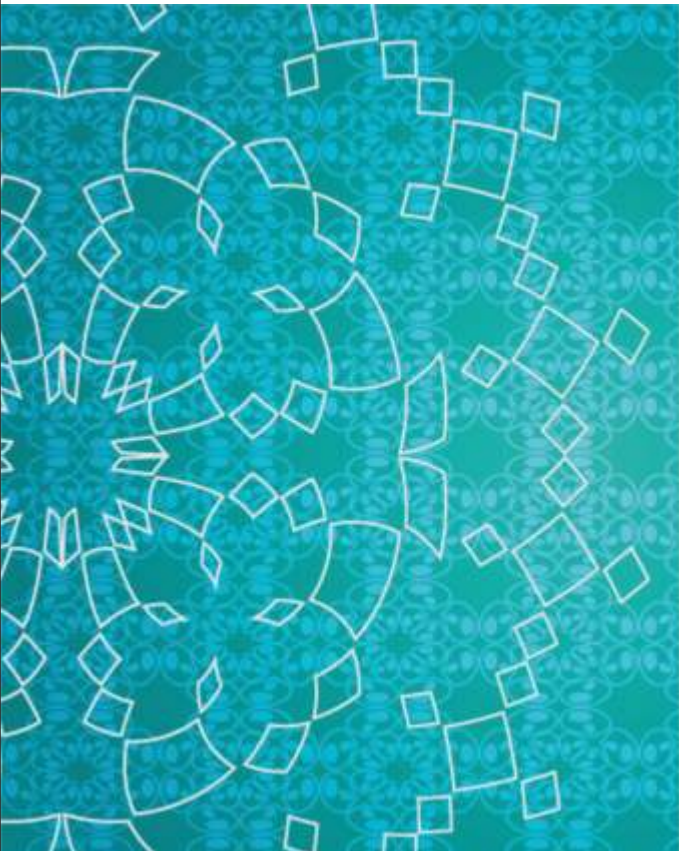


# pennApps Finance Factory

Propel your **finance portfolio** to greater heights



pennApps Islamic Finance

*Comprehensive and modular Islamic Finance Solution grounded up to address unique challenges of Shari'a compliance and Islamic Banking Requirements*

[www.pennanttech.com](http://www.pennanttech.com)  
pennApps product suite | Application Services | Consulting

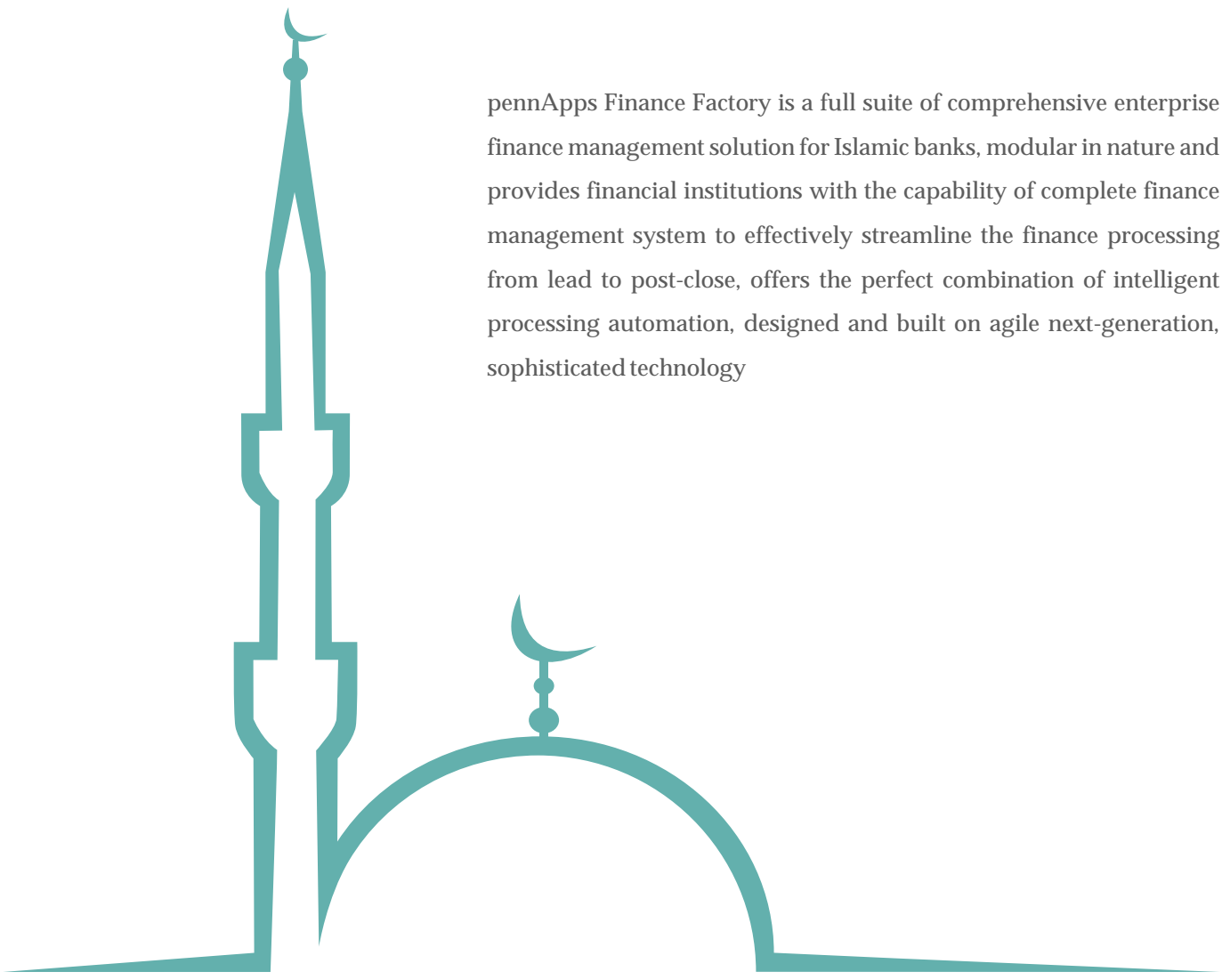




Globalization has ushered in a new era for banking institutions to raise the bar from 'Customer Satisfaction' to 'Customer Delight', tailor their services and products to customer need and demands, increase customer base and stay customer centric, keep growing and become profitable.

This is even more for Islamic Banking, for they need to stay confined, and be consistent with the principles of Islamic Law – Sharia -, yet innovate and deliver Sharia compliant services and products continuously. Islamic Banks need to leverage technology, improve operational efficiency, increase time-to-market speed and improve customers base, whilst minimizing costs and retain the competitive edge in the industry whilst ensuring Shari'a compliance.

This necessitates banks to explore the right software solution that enables them to structure and define their products, draft unique contractual arrangements including unique accounting policies for each of the product as dictated by their shari'a board with minimal dependence on the vendor.

A teal-colored silhouette of a mosque's architectural elements, including a tall minaret with a crescent moon on top and a large dome with a smaller crescent moon on its peak. The silhouette is positioned on the left side of the page, partially overlapping the text area.

pennApps Finance Factory is a full suite of comprehensive enterprise finance management solution for Islamic banks, modular in nature and provides financial institutions with the capability of complete finance management system to effectively streamline the finance processing from lead to post-close, offers the perfect combination of intelligent processing automation, designed and built on agile next-generation, sophisticated technology

## pennApps Finance Factory (PFF) Finance Management: A new approach

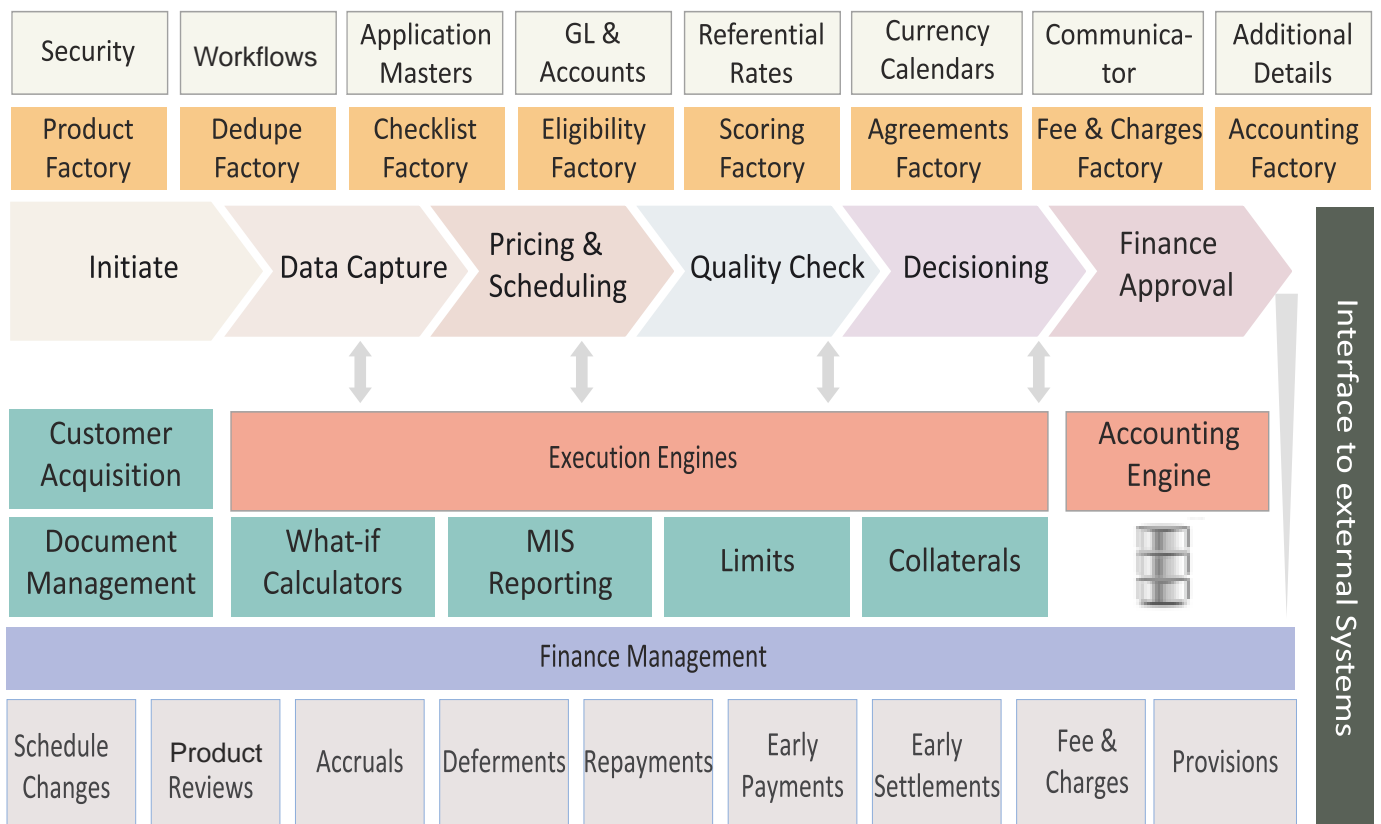
PFF is built on Pennant's next-generation Application Framework (PAF) with a unique concept of functional factories and business process driven execution engines to deliver the required modularity, flexibility and componentization.

Functional factories are independent application modules powered by the rule builders and query builders offering high-level of flexibility to clients to define multitude of products, eligibility checks, scoring models, dedupe rules, fee and charges, accounting sets as per business and regulatory/compliance requirements. In addition a separate set of functional factories are made available to define multitude of checklist items and agreements and contracts to assist the frontline users in processing the requests.

Feature rich functionality enables clients to effectively service and manage the finance covering product definition, finance origination process, credit processing, approval, disbursements and after sale transactions utilizing the highly configurable Fee & Charges and bank definable accounting factories.

PFF's highly flexible business process editor enables clients to define the business processes mapping appropriate functional factory component at the required stage of the workflow. Execution engines ensure the execution of the defined functional factory component at each stage of the workflow to achieve the required result.

### pennApps Finance Factory Framework Architecture



## why pennApps Finance Factory

Novel concept of business process driven execution engines with multitude of functional factories at its disposal allows you to define, deploy and manage the business processes without any dependence on vendor or internal technology teams. Business users can set up processes across channels, users, departments and products without IT support and with the requisite controls and history tracking to safely implement changes.

### Meet Market Demands

Offer Innovative Products with true time-to-market advantage: With the flexible factory configuration concept, your creativity meets the reality for any new product planning or packaging. Finance factory enables you to offer innovative and customized products to meet market demands without worrying about system constraints.

### Achieve operational efficiencies

Streamline Business Process: Business process centricity enables you to define, review and improve your process by reconfiguring the workflows as and when desired effectively utilizing the numerous functional factories and execution engines available in the solution streamlining your operations and ensures better visibility and transparency of the process.

Various management or operational reports and interactive dashboards assists you in monitoring the turnaround statistics of all the stages of finance servicing and provides insights on the root causes of any delays enabling you to respond in timely manner.

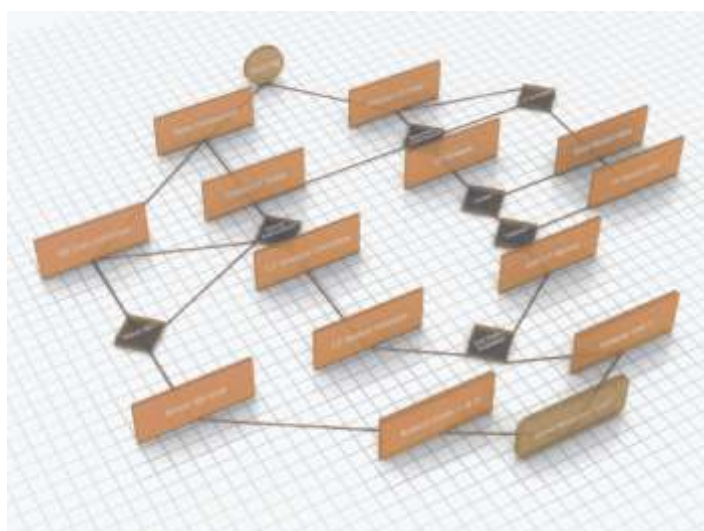
End-to-end Business process automation right from data capture to credit processing, approval to disbursal with built-in validations including functionalities like dedupe and blacklist will enable your team to achieve higher level of productivity.

### Improved risk management and risk assessment

Know your Customer and portfolio: Finance factory enables you to define additional customer details as functional factories and link these to the business process at the required stage of the finance processing to capture any additional information business demands. In addition, Checklists functional factory available as part of the PFF enables you to define numerous checklists to meet the internal compliance or risk management requirements.

Capability of linking these checklists at various stages of the finance servicing assists your frontline or processing team to comply with the process requirements.

### Powerful and comprehensive Loan Solution with high degree of flexibility



Policy Checks: PFF enables you to define multiple policies with minimum/ mandatory/ exceptions/ review gateways in various PFF factories and plug-in to workflow process as per your requirements.

### Configurable Finance Management

Fee, Charges and Accounting: Accounting for various finance servicing events are fully configurable as per your internal and regulatory requirement with no limit to the accounting options. Flexible factory concept enables you to define separate functional factories for Fee & Charges in relation to Overdue payment, Early payment, Early settlement, etc., in terms of days/ amount slabs. This can be configured based on the customer and finance categories like customer type, nationality, past history etc., to define the fee & charges. Accounting sets can be defined in the accounting factory for all of the servicing events whether it be disbursement or after sale transactions which gets triggered by the execution engine as defined in the respective process. In simple terms you can incorporate rules by one or combination of any characteristics with simple arithmetic formulae.

## pennApps Finance Factory Features

### Product Definition

Define flexible products for bank needs  
 Configure Pricing and Rates  
 Define Controls for management

### Comprehensive Rules

Configurable Business Rules  
 Flexible Eligibility Checks

### Customer Acquisition

Easy Customer Data Capture  
 Duplication Checks  
 Workflow based Approvals  
 What If Calculations  
 Customer Documents Generation  
 Dashboard for monitoring TAT

### Flexible Accounting

Configurable Accounting  
 Formula based Accounting Entries  
 Event based postings to Accounts

### Integration

Multi Channel Servicing  
 SOA Based Integration  
 Wide Range Notification

### Total Risk Control

Rules Based Scoring  
 Credit Bureau Integration Feasibility  
 Configurable Dedupe Fields  
 Black Listing and Negative Checking

### Intelligent Finance Management

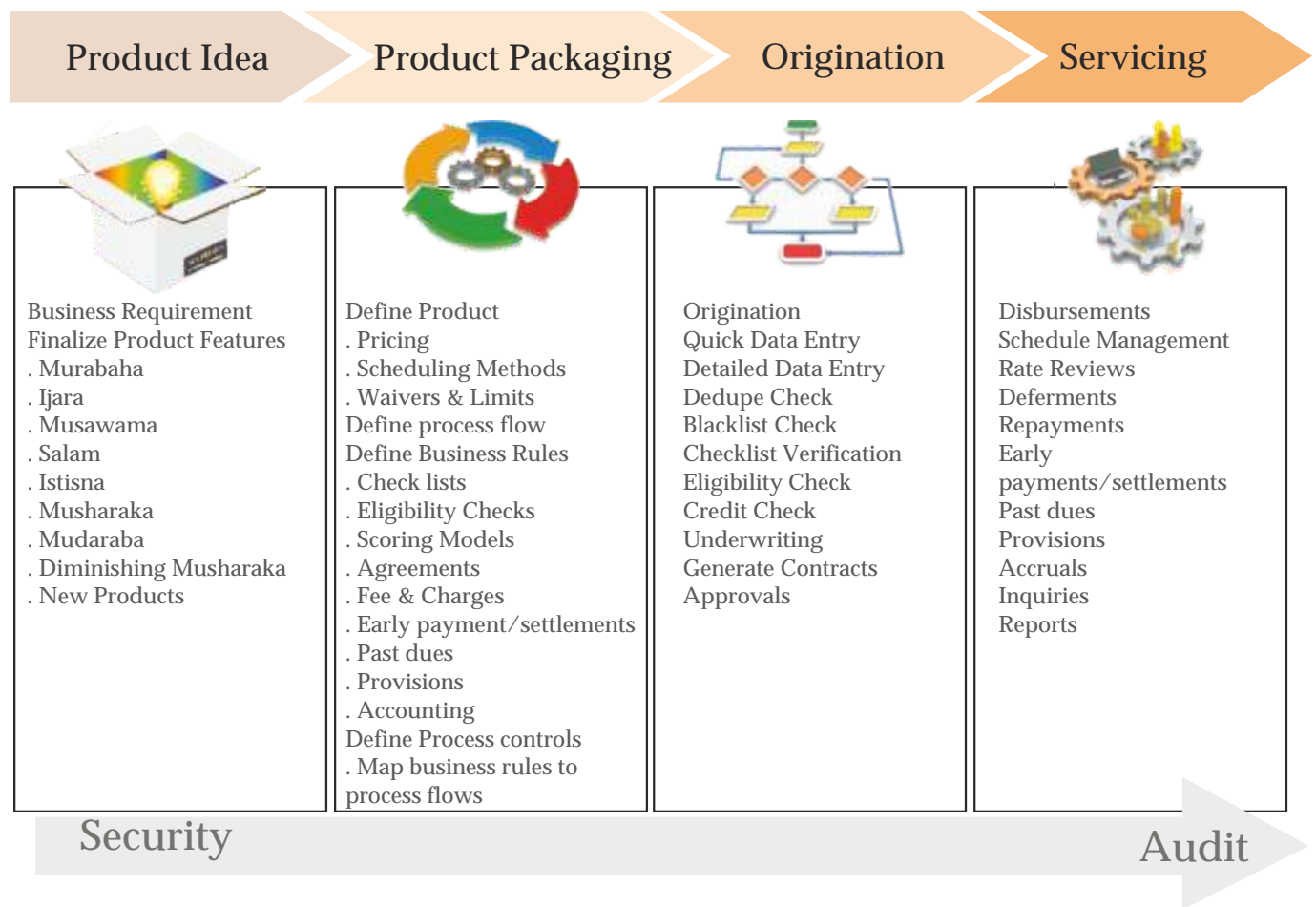
Retail and Corporate Type Finances  
 Fixed, Floating and Term Finances  
 Complete Life Cycle Management  
 Multiple Disbursements  
 Easy Profit Rate Management  
 System Driven Settlements  
 Transparent Profit Calculation  
 Customer Driven Billing Cycles  
 Daily Accrual  
 Flexible Rule based Fee Management  
 Penalty Management  
 Delinquency Management

### Flexible Reports

Dashboards  
 Drilldown Reports  
 Alerts and Escalations  
 Documented Data model

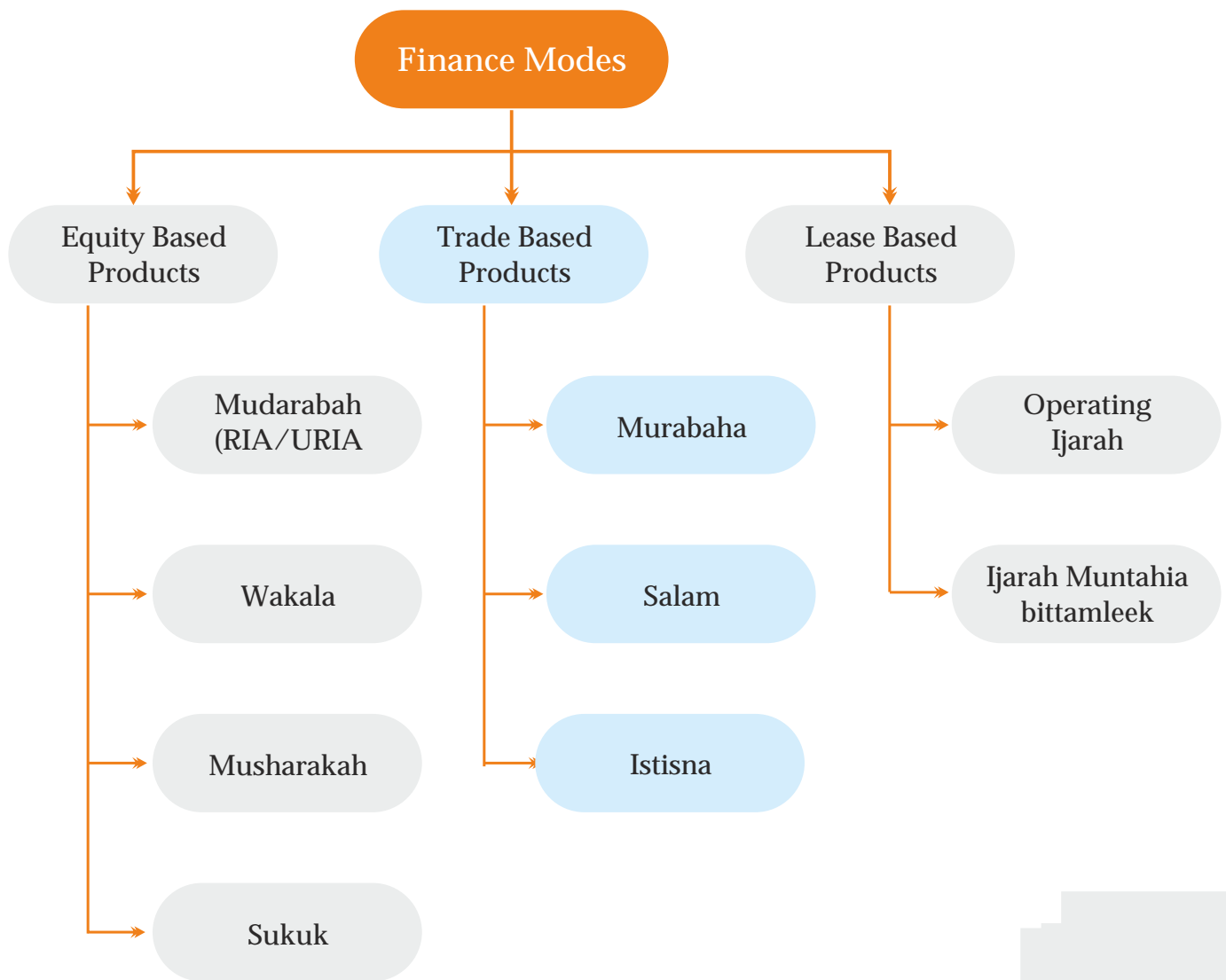
# pennApps Finance Factory Life Cycle

pennApps Finance Factory enables you to automate and streamline all processes of the entire finance life cycle, effectively leveraging the broad range of repositories available in the form of functional factories. The flexible process driven product + factory framework allows you to incorporate the unique policies, business rules, procedures, product specific requirements and specific tasks including third party interfacing layers at various stages of the multiple financing functions enabling you to effectively manage any type of financing requirement.



## Complete Islamic Finance Product coverage

pennApps Finance Factory offers differentiated capabilities that effectively address the operational challenges that are unique to Islamic banks through its factory based, process driven modular application that offers unmatched flexibility. As the solution is grounded up to meet the unique challenges, it fully supports comprehensive set of Islamic financing modes with simple configuration by business users.





## Technology Highlights

- > Developed based on the latest J2EE architecture for rich UI and flexibility
- > Open architecture for any J2EE application server deployment
- > Open to work with any Database server
- > SOA Based interfacing for back end systems and channels
- > BPMN 2.0 based workflow with configurable routing
- > Built on Innovative Framework zKoss and pennApps

## About Pennant

Pennant Technologies, dynamic and innovative software solutions and services company offers comprehensive suite of end-to-end business driven technology services and products covering all the functional areas of BFSI vertical. Pennant's pennApps product suite offers the right-fit and next generation products that address the unique requirements of banking.

Pennant empowers its customers to effectively address their business challenges with its deep domain expertise backed with excellent insights of local market dynamics and leveraging the latest technology advancements.

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