FusionWare
Solutions

**Efforts Estimation on
DMS Application**

20th February, 2025
9:30 PM UAE Standard Time
11:00 PM Indian Standard Time

The Document Management System (DMS) development is estimated to require **620 man-hours**, covering key functionalities such as reminders, authentication, workflows, document metadata management, and advanced search. The highest effort areas include document management (100h), workflows (85h), advanced search (80), testing and bug fixing (50h).

PHASE SEQUENCE	FEATURE	TECHNICAL IMPLEMENTATION	EFFORT (Hours)
1. Initial Setup	Authentication & Authorization	Set up user login and role-based access to ensure security.	15
	User Management	Implement user, role and permission assignment for system administration.	40
	Data Backup	Develop and configure backup module for database and files.	40
		Provide configuration options for backup schedules and locations.	
2. Core Functionality	Document Management	Building Document Creation Form along with dynamic template sections and user defined metadata.	100
		Implement Document Change Request Form	
		Maintaining Document Versioning History with roll back facility	
	Advanced Search	Implement keyword and metadata-based search using EF Core or ElasticSearch for better performance.	80
		Implementing a feature to search for text inside uploaded files, like PDFs	
	File Upload & Preview	Render PDF and images using third-party libraries (e.g: PDF.js).	15
	Document Export	Allow exporting documents in multiple formats (PDF, DOCX, TXT) using libraries like OpenXML.	30
3. Workflows & Processes	Workflows	Configure and test department-specific workflows for approvals and document routing.	85
		Building departments, workflows, workflow steps, their associations, and logs for tracking workflow execution	
	Reminders	Add reminders to notify users of pending tasks or deadlines.	30
		Implementing a global/document level configuration.	
	Email & Notifications	Integrate Outlook (SMTP) for email functionality with document links.	35
		Use SignalR for in-app notifications.	
	Retention Policy	Define and implement retention rules for documents and logs.	35
		Automate cleanup based on retention settings.	
4. Tracking & Logging	Audit Trails	Implement logging of all user actions for accountability and compliance.	30
5. Analytics	Dashboard Analytics	Build dashboards for visualizing key performance metrics, such as pending documents or approvals.	20
		Build analytics dashboards using Chart.js/d3.js	
6. Testing & Deployment	Testing and Bug Fixing	Conduct functional, integration, and end-to-end testing.	50
		Write unit and integration tests using xUnit.	
	Deployment and Documentation	Deploy the application to IIS (local network)/Cloud	15
		User Documentation (Manual)	
		TOTAL MAN-HOURS	**620**

Note:
1. Actual Data migration is not applicable in this context
2. 30 days Post deployment support for bug fixes and basic guidance on delivered features
3. The provided estimation does not include time or resources for user acceptance testing (UAT)

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PRICING STRUCTURE

Region	Hourly Rate ($/hr)	Total Cost Estimate ($)
North America (USA, Canada)	$75 - $150	$46,500 - $93,000
Western Europe (UK, Germany, France)	$50 - $120	$31,000 - $74,400
Eastern Europe (Poland, Ukraine, Romania)	$30 - $60	$18,600 - $37,200
India & South Asia	$15 - $40	$9,300 - $24,800
UAE	$30 - $100	$18,600 - $62,000
Australia	$70 - $140	$43,400 - $86,800
South America	$25 - $50	$15,500 - $31,000

Note: These rates are derived from monthly salaries, assuming a standard 160-hour work month.

.NET Developer Rates in the UAE Based on available data:

❖ Junior Developer: Approximately AED 75 – AED 150 per hour
❖ Mid-level Developer: Approximately AED 150 – AED 225 per hour
❖ Senior Developer: Approximately AED 225 – AED 375+ per hour

Cost Estimation Calculating the total cost based on the above hourly rates:

❖ Junior Developer: 620 hours × AED 75 – AED 150/hour = AED 46,500 – AED 93,000
❖ Mid-level Developer: 620 hours × AED 150 – AED 225/hour = AED 93,000 – AED 139,500
❖ Senior Developer: 620 hours × AED 225 – AED 375/hour = AED 139,500 – AED 232,500

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	Advanced Search	80
	File Upload & Preview	15
	Document Export	30
3. Workflows & Processes	Workflows	85
	Reminders	30
	Email & Notifications	35
	Retention Policy	35
4. Tracking & Logging	Audit Trails	30
5. Analytics	Dashboard Analytics	20
6. Testing & Deployment	Testing and Bug Fixing	50
	Deployment and Documentation	15
TOTAL		**620**

As we anticipate to embark on a promising long-term partnership with SaaiyeTech, we are excited to kickstart our first project together by offering an exclusive rate of just *$30 per hour*

Offer Estimation:

❖ Total cost in **USD** (30*620) is **18,600**

❖ Total cost in **AED** (@3.67) is **68,262**

Thank you!