

## 《IBM迭代需求管理术语》

IBM Rational Suite AnalystStudio 进行迭代需求管理术语

Known customer requirements???????

Classical requirements definition methods lead to analysis out of line with requirements????????????????????

If the project cannot include requirements changes, the solution meets the initial analysis but not the current customer requirements.??

Time???

Requirements analysis??????

Analysis???

Solution Development????????

Release???

Meeting business requirements in time without iterative requirements management is difficult??

What the business requests?????????

What the solution does, according to the cost and deadline????????????????????

Resources spent on low priority requirements????????????????

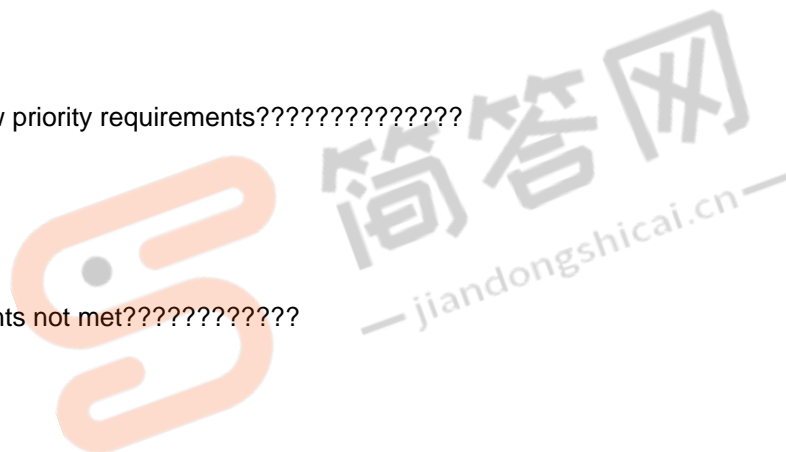
High priority requirements not met????????????????

In short deadlines, focusing on high priorities is difficult????????????????????

Collecting and changing the requirements??????????

Deciding the scope of requirements to process??????????????

Propagating and processing the requirements??????????





Analysis???

Design???

Collection Change?????

Decision???

Development cycle?????

Requirements(initial, new, changed)????????????????

Propagation Process?????

Check???

Developme

[??] [??] [??] - [??]



nt???

Test???

Requirements management cycle???????

Iterative requirements management???????

Players with various roles, wordings, cultures, business and technical skills, interests and responsibility??

Project players?????

Iterative requirements management solution?????????????

Word Requirement management?Word?????

Change management?????

Customer???

Project manager?????

Analyst?????

Keying in the requirements?????

Keying in the change requests of requirements?????????

Qualifying the change requests?????????????

Designer?????

Developer?????

Tester?????

and so on??

Standardizing????

Storing???

Organizing???

Enriching requirements?????

Corporate requirements: understandable and useable by any player???????????????????? Improving communication between various project players to better define

requirements????????????????????????????????

Some players may forget to transfer the documents describing the requirements.????????????????????????????

Some players create documents for their pecific needs, based on the requirements.????????????????????????????

At the end, the transfers between players create a gap between the initial requirements and those treated by the project.??

Some players may transfer wrong documents.????????????????

Some players change or rewrite requirements.????????????????

Without requirements management??????

With requirements management??????

Reference requirements?????

Players have a reference. They handle the same requirements according to their specific needs.????????????????????????????????

documents or deliveries specific to each player????????????

Requirements???

Requirem

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ent A??A

Requirement B??B

Requirement C??C

Sub-req B1????B1

Sub-req. B2????B2

High priority?????

Average priority?????

Project???

Current version?????



Iteration 1???

Iteration 2???

Project 1???

Project 2???

Time???



Requirements management enables to select and organize requirements from the text.????????????????????

Text document (requirements)??????????

Order???

When a customer wants to order,...?????????????.....

- Selecting the items to order??????????

- In order to select the items...??????????.....

- Selecting the delivery address?????????

- If the customer is known,...??????????.....

- Payment???

- In order to pay, the customer must...?????????????.....

- Customers must describe their requirements exhaustively????????????????????

- Project teams must check how to process the requirements????????????????????

- The scope is a decision between customers and project teams????????????????????

- Priority?????



- Date???

- Difficulty ???

- Iteration???

- State???

- Selecting the items????

- High??

- Low ??

- Average???

- Pending???



- Analysis???

- Scope selection?????

- Providing the list of requirements to process in priority??????????????

Reference requirements?????

Player-specific document or delivery??????????????????

A break exists between requirements and deliveries if tools are not integrated with the requirements management

solution.??

Integration of tools with the requirements management solution ensures the consistent process of requirements all along the

projec

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t.??

Propagating the requirements to every project players????????????

Change request management???????

Software configuration management???????

· A version of component is developed to meet requirements????????????

A release meets a set of requirements????????????

Requirements are versioned?????????

Analyzing the impact of changes?????????

Ensuring the consistency of change requests and requirements????????????

Processing the requirements requires new change requests????????????

Controlling the change requests on requirements??????????????

Requirements management?????

linking the use cases to requirements??????????

linking other models to requirements??????????????

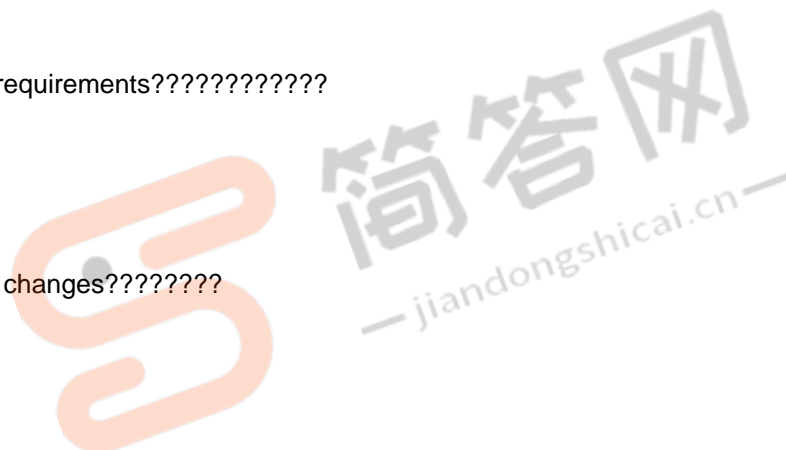
Analyzing the impact of changes??????????

Defining the testable requirements??????????

Ensuring the coverage of requirements??????????

Knowing which tests to replay upon change????????????????????

Test management?????



Modeling???

Requirements management solutions must integrate into the tools of the development and maintenance cycle??

Models???

Use cases???

Use cases diagrams ensure that requirements are related to testable use cases.????????????????????????????

Requirements???

Tests???

Tests check which requirements are covered. Customers understand their result directly in terms of the requirements expressed.??

Test campaigns?????

Text documents?????

Requirements attributes?????

Ensuring the requirements coverage???????

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Test???

Requirements management cycle???????

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