**Workflows**

●**Bounded context**: “Question Context”

○**Workflow**: “Publish new question”

■Triggered by: “Post question request received”

■Input: “Question form” (User, text, title, tags, category.)

■Other inputs(dependencies)

■Output: “New Question Published” event

■Side effects: Confirmation and replay emails send to user

●**Workflow**: “Publish new question”

○Input: “Question form”

○Output: “New Question Published” event or Invalid question form or profanity check failed

//step1

Do **validate Question form**

If form is invalid then

Send invalidity rejection email

Stop

//step2

Do **profanity check**

If form failed profanity check then

Send profanity rejection email

Stop

//step3

Publish question

Send acknowledgement email

//step4

Return “New Question Published” event

●Sub-step “validate Question form”

○input: “Invalidated question form”

○output: “Validated question form”

○dependencies: User validator, text validator, tag validator

●validate user

●validate text

●validate tags

●If all validation passed then

■return Validated Question form

●Else

■return Validation error

●Sub-step “Profanity check”

○input: “Validated question form”

○output: “Profanity checked question form”

○dependencies: Admin pager, ML system, dictionary

●replace common letter substitutes ($ with s)

●check text against ‘special’ dictionary

●If check failed then

■return Profanity check failed

●Test text with ML system

●If ML test passed then

■return Profanity check passed

●If ML test is inconclusive then

■Request admin input

●If Admin approved then

■return Profanity check passed

●Else

■return Profanity check Failed

