**Proiectarea Sistemelor Software Complexe**

Tema 3: „Modelati workflow-ul de postare a unei intrebari pe o platforma de tipul Stackoverflow.”

* **Bounded context:** „Question Context”
* **Workflow:** „Post New Question”

**-Triggered by:** „Post New Question Request” („Ask a public question”)

**-Input:**„Questionform”(Links,Images,Styling/Headers,Lists,Blockquotes,Code,HTML,More)

**-Other inputs:** dependencies

* Check if user is log in to ask a public question
* Validation of the text via an Machine Learning

**-Output:** „New Question Accepted and Published” or „Invalid question” event

**-Side effects:** User is being notified if he wants to post the question or if he is sure for posting the question

* **Workflow:** „Post new question”

**-Input:** „New question form”

**-Output:** „New Question Accepted and Published” or „Invalid question” event

//step1

Do validate question form

If question is invalid then

Stop

//step2

Send confirmation email about question (confirm new question created)

//step3

Return „New question Accepted and Published” event

* **Substep** „Validate question form”

**-Input:** „Unvalidated question form”

**-Output:** „Validated question form”

**-Dependencies:** „Text analyzer and validator via ML(Machine Learning)”

* Analyze the text via an Machine Learning
* Validate title content
* Validate body content
* Validate tags content
* If all validations are successfully passed then
  + Return validated question form
* Else if the question is confused
* Propose question for manual review
* Else
* Return Validation Error(Reject)
* **Substep** „Propose question for manual review”

**-Input:** „Unvalidated question form”

**-Output:** „Unvalidated or Validated question form”

**-Dependencies:** „Text validator(Application Administrator/Reviewer)”

* Analyze the text via Administrator
* If the question is accepted by Application Administrator(Reviewer)
* Return to validated question form
* Else
* Return Validation Error(Reject)