Create Property Flow

Client	PropertySvc	IDGenSvc	KafkaQSvc	UserSvc	TaxCalcSvc	DemandSvc	WorkflowSvc	ESSvc	NotificationSvc

create Property Request → PropertySvc

municipal employee, CSC center posts a create new property request using admin console

validate Request Format (self)

All request format validations like email, phone, string and number fields validate ref values from all external services Eg. egov-location etc.

business Validations (self)

Busniess validations e.g. application could not be accepted due to some business reason

alt
- **[isNewProperty]**
  create acknowledgment Number → IDGenSvc
- **[isLegacyPropertyUpload]**
  create assessment Number → IDGenSvc

Queue for further processing → KafkaQSvc

create Property Response → Client

alt
- **[isNewProperty]**

  opt [ifUserNotFound]

  Need to rethink whether we should mandate the user to be present rather than auto creating user

  create New User → UserSvc

  calculatePropertyTax → TaxCalcSvc

  generateDemand → DemandSvc

  initiateWorkflow → WorkflowSvc

  persistProperty → PropertySvc

  createElasticSearchIndex → ESSvc

  sendNotification → NotificationSvc

- **[isLegacyPropertyUpload]**

  opt [ifUserNotFound]

  There's no choice but to automatically create user

  create New User → UserSvc

  persistProperty → PropertySvc

  createElasticSearchIndex → ESSvc