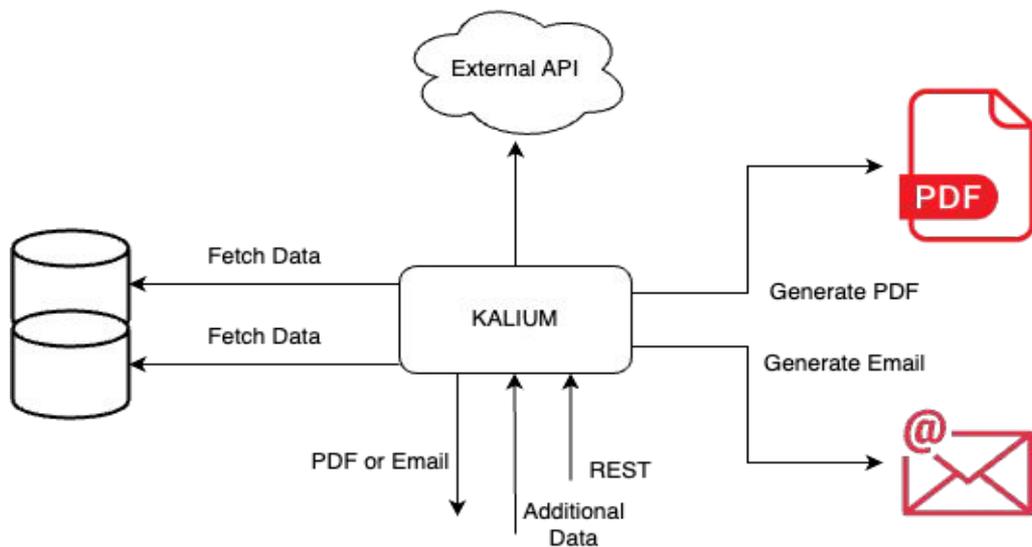


Test Doubles and Acceptance Tests

Let's write down acceptance test and introduce test doubles in a microservice application

The microservice



Example of a request

```
1 import { ApplicationTemplateFieldType, ApplicationTemplateField } from '@prisma/client';
2
3 const fields = [
4   { name: 'Tribunale', type: 'draw', source: '(prisma:application:application.court.name:$id)', posX: 208, posY: 102, fontSize: 14, page: 0, color: 'black', format: 'text',
5     { name: 'Nome Richiedente', type: 'draw', source: '(prisma:application:application.applicant.lastName:$id)', posX: 142, posY: 240, fontSize: 12, page: 0 },
6     { name: 'Nome Richiedente', type: 'draw', source: '(prisma:application:application.applicant.firstName:$id)', posX: 224, posY: 240, fontSize: 12, page: 0 },
7     { name: 'Citta di nascita Richiedente', type: 'draw', source: '(prisma:application:application.applicant.birthInfo.city:$id)', posX: 94, posY: 264, fontSize: 12, page: 0 },
8     { name: 'Data di nascita Richiedente', type: 'draw', source: '(prisma:application:application.applicant.birthInfo.date:$id)', posX: 382, posY: 240, fontSize: 12, page: 0 },
9     { name: 'Codice fiscale Richiedente', type: 'draw', source: '(prisma:application:application.applicant.fiscalCode:$id)', posX: 106, posY: 310, fontSize: 12, page: 0 },
10    { name: 'Citta di residenza Richiedente', type: 'draw', source: '(prisma:application:application.applicant.residenceAddress.city:$id)', posX: 290, posY: 264, fontSize: 12, page: 0 },
11    { name: 'Indirizzo di residenza Richiedente', type: 'draw', source: '(prisma:application:application.applicant.residenceAddress.street_1:$id)', posX: 98, posY: 290, fontSize: 12, page: 0 },
12    { name: 'Citta di domicilio Richiedente', type: 'draw', source: '(prisma:application:application.applicant.domicileAddress.city:$id)', posX: 358, posY: 310, fontSize: 12, page: 0 },
13    { name: 'Indirizzo di domicilio Richiedente', type: 'draw', source: '(prisma:application:application.applicant.domicileAddress.street_1:$id)', posX: 98, posY: 334, fontSize: 12, page: 0 },
14    { name: 'Data rifiuto Richiedente', type: 'draw', source: '(prisma:application:application.applicant.rejectedAt:$id)', posX: 412, posY: 618, fontSize: 12, page: 0 },
15    { name: 'Percentuale invalidità', type: 'draw', source: '(prisma:application:application.applicant.invalidity:$id)', posX: 316, posY: 638, fontSize: 12, page: 0 },
16    { name: 'Note motivazione Richiedente', type: 'draw', source: '(prisma:application:application.notes.motivationNote:$id)', posX: 80, posY: 140, fontColor: 'black', format: 'text',
17    { name: 'Note conclusione Richiedente', type: 'draw', source: '(prisma:application:application.notes.conclusionNote:$id)', posX: 80, posY: 540, fontSize: 10, page: 2, color: 'black', format: 'text'
18  ];
19
20 export const RICORSO_PER_ACCERTAMENTO_TECNICO_PREVENTIVO_CIVILE_100_PERCENTO = {
21   id: 12,
```

HTTP Request
/kalium/application/2/PENS_INV_100

```
modelData {
  application: {
    id: 2,
    content: '',
    presentationDate: 2024-04-03T07:24:42.651Z,
    type: 'RICORSO_PENS_INV_CIVILE_100_PERCENTO',
    status: 'CREATO',
    search: 'Mario Rossi Mario RSMRA75R15H269L',
    applicationTemplateId: 12,
    applicantId: 4,
    spouseId: null,
    sonId: null,
    notedi: null,
    assignedInpsId: 179,
    assignedPatronageId: 1,
    assignedLawyerOrderId: null,
    assignedCourtId: null,
    assignedCourtSectionId: null,
    userId: 4,
    assignedLawyerId: 5,
    domicileLawyerId: 3,
    transmittedAt: 2024-04-03T07:24:15.655Z,
    rejectedAt: null,
    expiredAt: null,
    appealedAt: null,
    approvedAt: null,
    createdAt: 2024-04-03T07:24:42.651Z,
    updatedAt: 2024-04-03T07:29:08.409Z,
    court: null,
    applicant: {
      id: 4,
      type: 'APPLICANT',
      search: 'Mario Rossi RSMRA75R15H269L MD12354323',
      firstName: 'Mario',
      lastName: 'Rossi',
      sex: 'MALE',
      fiscalCode: 'RSMRA75R15H269L',
      documentCode: 'MD12354323',
      birthInfoId: 4,
      incomeInfoId: null,
      domicileAddressId: null,
      residenceAddressId: null,
      birthInfo: {object},
      incomeInfo: {object},
      residenceAddress: null,
      domicileAddress: null
    },
    spouse: null,
    son: null,
  },
}
```

SEZ. LAVORO E PREVIDENZA
RICORSO PER ACCERTAMENTO TECNICO PREVENTIVO
EX ART.445 bis c.p.c.
OGGETTO: RICONOSCIMENTO PENSIONE DI INVALIDITA'
CIVILE (100%)
Il signor Rossi Mario nato il 05/06/75
a Ribera e residente a Ribera
in Via Roma 2
c.f.: RSMRA75H05H269T , elett.te dom.to a Ribera

field.fontSize, page: field.page, color: field.color ?? null, datatype: field.datatype ?? null, format: field.format ?? null } },

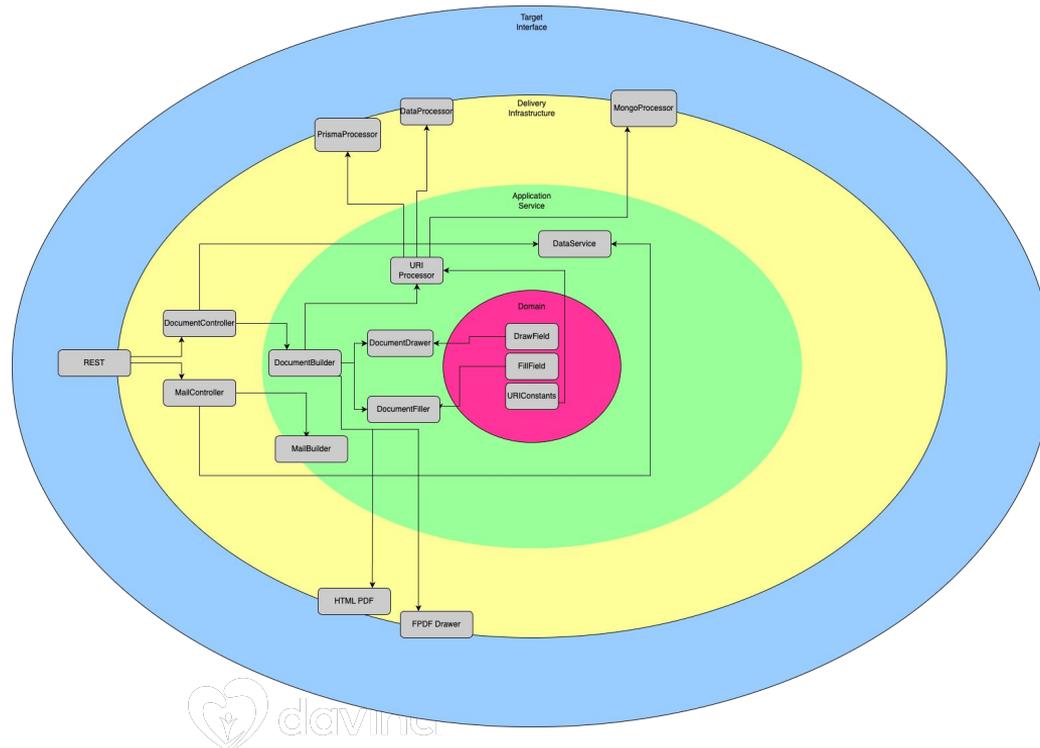
HTTP Response

davinci



Mirko Di Lucia

Layers



Unit Test

For URI processor

- Should process immediate URI
- Should recover data from URI
- Should handle inconsistent URI
- Should process iterative URI
- Should handle hook for URI

For DocumentDrawer

- Should add text in pdf
- Should add text in pdf in certain position
- Should add text in pdf with color
- Should add text in pdf with font
- Should add multiple text in pdf in certain position, gap and spacing

For DocumentFiller

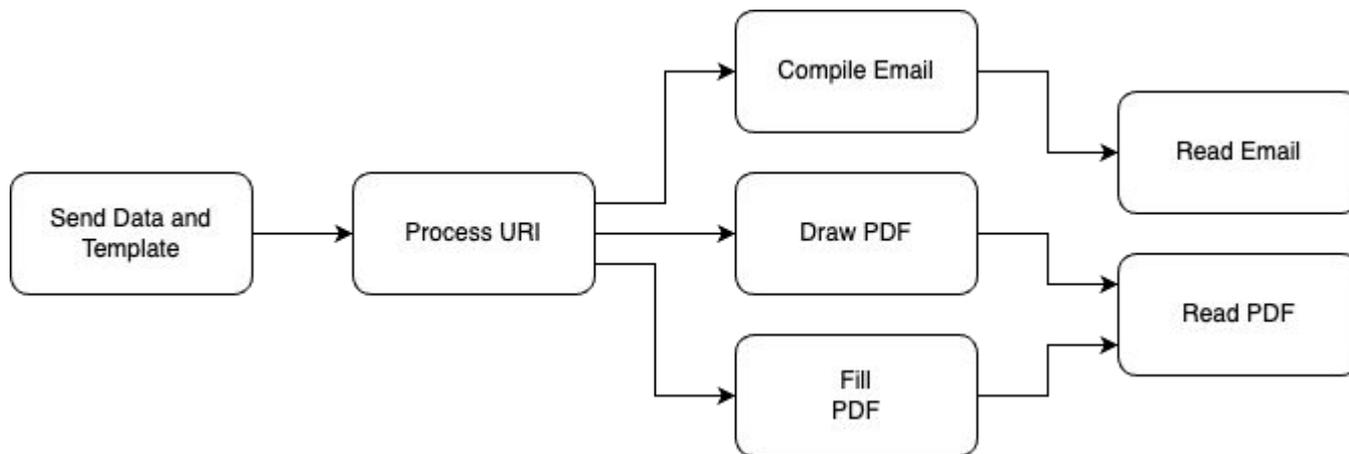
- Should add text in pdf in a specific placeholder
- Should add multiple text in pdf in a placeholder using progressions rules

For MailComposer

- Should intercept URI text in html file
- Should replace URI text with the correct text



Acceptance Test



Test doubles

Stubs

MongoProcessor

PrismaProcessor

DataProcessor

Commands

HTML PDF

FPDF Drawer



Thanks

Benefit of use Acceptance Test and Test Doubles

- Guaranteed isolations
- Avoid Connascence
- Helps to complete single functionalities before add a new one
- Fun