Solution Architect

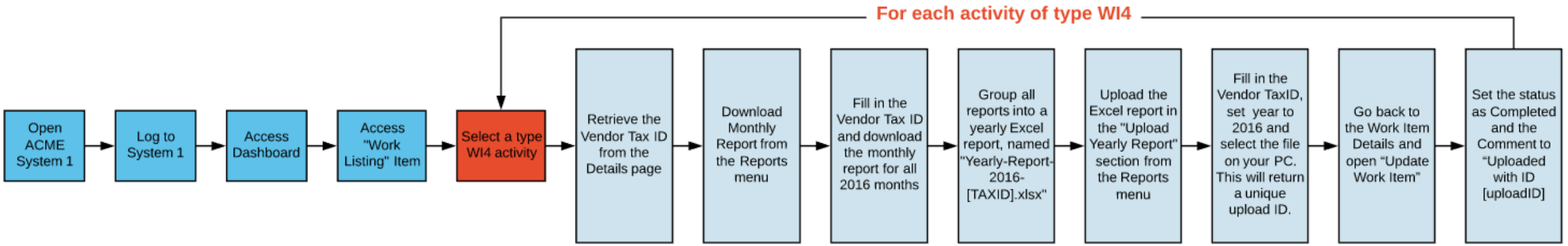
Preparation – Project Governance

Development effort estimation - Guidelines

- Effort estimation needs to be conducted in the analysis phase
- The RPA SA should thoroughly understands the process and collaborate with the BA and PM
- High-level process breakdown requires individual estimation
- The SA should identify the potential challenges
- Preliminary integration should be tested - applications and particular screens with UiPath Studio
- The complexity of the applications and business rules should be taken into account when handling exceptions

- The level of your RPA developers should be taken into account
- Studio workflow creation, Orchestrator configurations, and dashboards should be included
- Unit and functional testing should be considered
- Additional change requests after the PDD sign off should not be considered. In case that happens, more time is included
- Diminishing returns
- RPA Projects are extremely hard to estimate, as many challenges arise during development. Additional time should be considered – typically 30% or more

Development effort estimation – Example 1



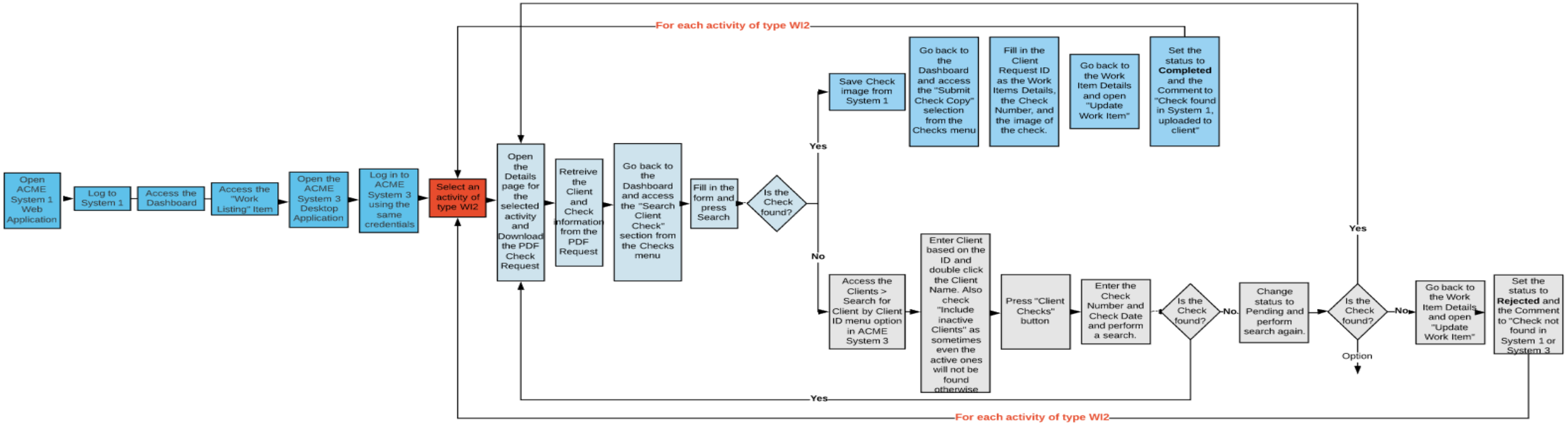
- Number of sub-processes: 2 (Dispatcher and Performer)
- Number of applications used: 2 (ACME System 1, Excel)
- Process complexity – Low (linear process, few rules)
- Some difficulty in downloading reports and dealing with temporary files
- Integration with ACME System1 App tested successfully
- Typical exception handling in the Performer

Estimation

Around 15 xaml files to be build and tested:

Sub-Process	Components	Estimation
Dispatcher	Login, Add to queue	2 days
Performer	Initialize	1 day
Performer	Report management	2 days
Performer	Navigation	1 day
Dispatcher / Performer	Integration, Functional Tests	3 days
Total Estimation	All + 30%	12 days

Development effort estimation – Example 2



- Number of sub-processes: 2 (Dispatcher and Performer)
- Number of applications used: 3 (ACME System 1, System 3, PDF Reader)
- Process complexity – Medium
- Integration with ACME System1 App tested successfully
- Integration with ACME System3 App tested successfully, with some challenges (dynamic UI elements)
- Reusable components required in both systems
- Strong exception handling mechanism. Robust solution required

Estimation

Around 30 xaml files to be build and tested:

Sub-Process	Components	Estimation
Dispatcher	Reuse	1 days
Performer	Reuse, Initialize	2 days
Performer	PDF Processing	3 days
Performer	Navigation	2 days
Performer	Check Search System 3	4 days
Dispatcher / Performer	Integration, Functional Tests	5 days
Total Estimation	All + 30%	22 days
Total Estimation	2 developers	24 days


UiPath
Thank You!
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