

A photograph of a modern architectural space, likely a lobby or atrium of a corporate building. The space features multiple levels connected by curved walkways and stairs. The walls and railings are made of glass, reflecting the surrounding environment. The lighting is bright and even.

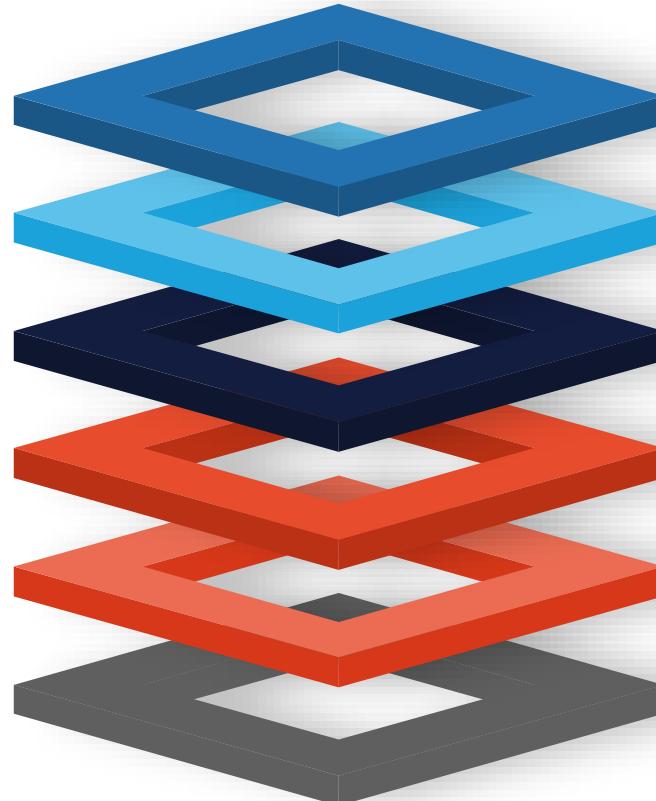
Solution Architect

Solution Design

Solution Design



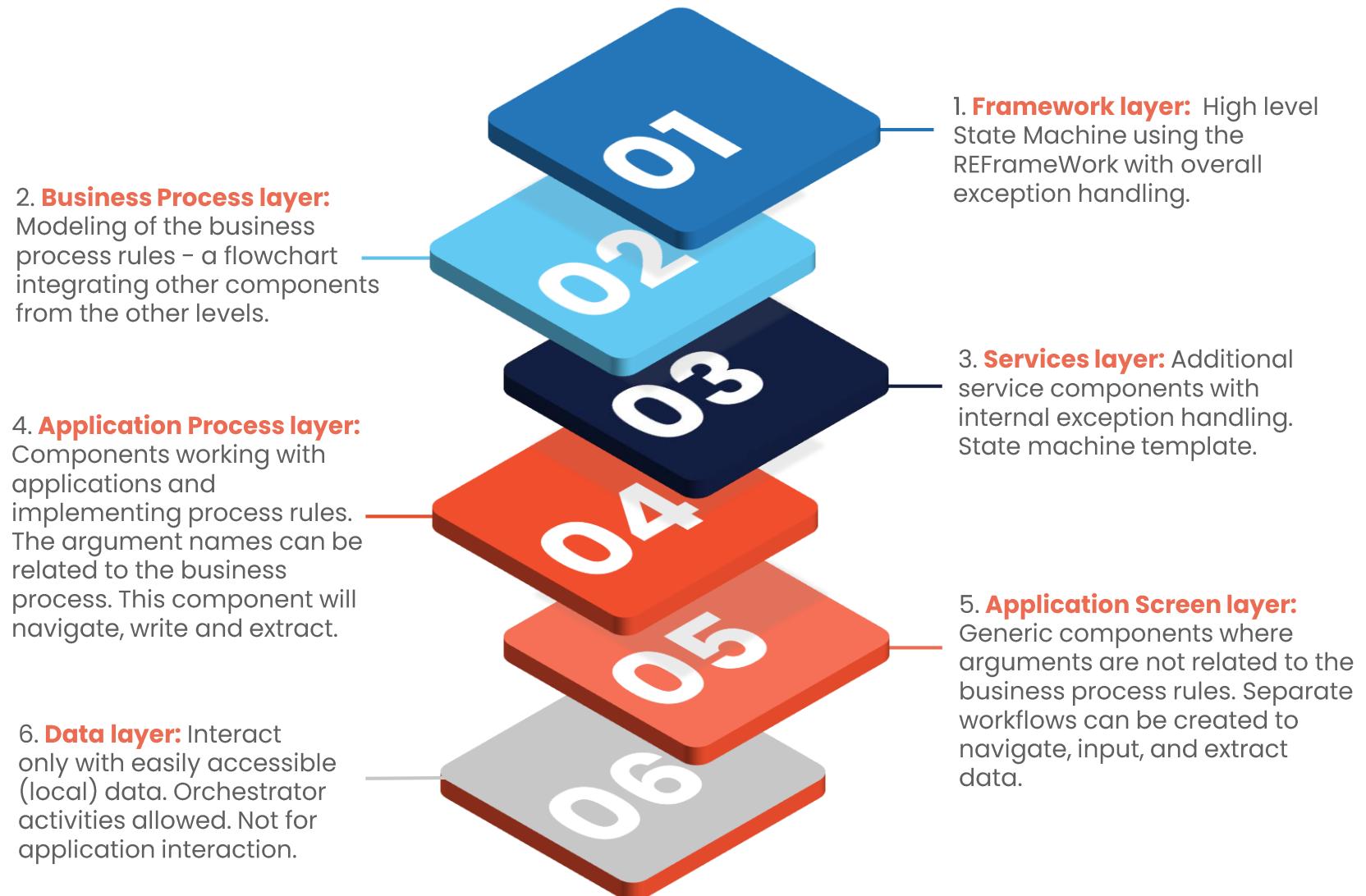
- Attended vs. Unattended
- Input and Output data
- Sub-processes
- Number of robots based on business requirements
- Process and sub-process scheduling
- High level interaction between workflow components



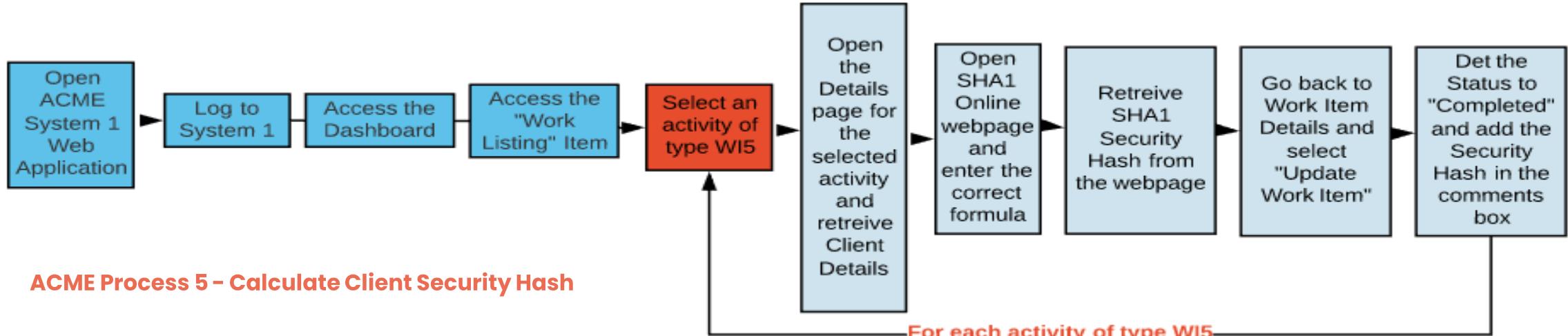
- Source Control project names
- Type and data format – E. g. Queues and queue items specific content
- High level diagram of the automated process (will go to DSD)
- Additional descriptions

RPA Workflow Abstraction

- Abstraction is as important in RPA as it is generally in software development.
- We suggest **six** layers of abstraction
 1. The Framework layer
 2. The Business Process layer
 3. The Services layer
 4. The Application Process layer
 5. The Application Screen layer – highly reusable
 6. The Data layer – reusable
- The SA identifies the workflow components and assigns them to the appropriate level.



Workflow Abstraction & Documentation Example



System	Name	Screen	Description	Arguments	Abstraction Layer	Location	Developer	Status
System1	System1_Login	Desktop	In: Credential – String In: URL – String	App Screen	TFS Project 1 ...	Developer 1	Done
System1	System1_Close	Any Page	N/A	App Screen	TFS Project 1 ...	Developer 1	Done
System1	System1_ExtractClientInfo	WI Details	Out: Client ID – String Out: ClientName – String Out: ClientCountry – String	App Process	TFS Project 1 ...	Developer 2	In progress
System1	System1_ExtractWIsDataTable	WI List	Out: dt_Wis – DataTable	App Screen	TFS Project 1 ...	Developer 2	In progress
System1	System1_NavigateTo_Dashboard	Any Page	N/A	App Screen	TFS Project 1 ...	Developer 2	In progress
System1	System1_NavigateTo_WIDetails	Any Page	In: WIID – String	App Screen	TFS Project 1 ...	Developer 2	In progress
System1	System1_NavigateTo_Workitems	Dashboard	N/A	App Screen	TFS Project 1 ...	Developer 1	In progress
System1	System1_UpdateWorkitem	WI Details	In: Comment – String	App Screen	TFS Project 1 ...	Developer 1	In progress
SHA1	SHA1Online_Open	Desktop	In: URL – String	App Screen	TFS Project 1 ...	Developer 1	Done
SHA1	SHA1Online_Close	Any Page	N/A	App Screen	TFS Project 1 ...	Developer 1	Done
SHA1	SHA1Online_ProcessHash	Process Hash	In: Formula – String Out: HashResult – String	App Screen	TFS Project 1 ...	Developer 2	Not started
-	Process	-	In: TransactionItem – DataRow	Business Process	TFS Project 1 ...	Developer 2	Not started
-	Framework components	-	-	Framework	TFS Project 1 ...	SA1	In progress

Thank You!
