

20231208 drawing2story - cost plan - effort estimation									
#	Functional Area (FA) - Work Package (WP)	Role	Amount	Size [h]	Scope [h]	Velocity = 65%	per FA [h]	in days 1d = 8h	per FA [d]
FA 1.1	Processing and Storage of Children's Drawings								
WP 1.1.1	Basic dialogs	Programmer	3	8	24	39.6		5.0	
WP 1.1.2	Dataset curation	Programmer	1000	0.025	25	41.25		5.2	
WP 1.1.3	Experiments with preprocessing	Programmer	2	4	8	13.2		1.7	
WP 1.1.4	Preprocessing pipeline of drawings	Programmer	2	8	16	26.4		3.3	
FA 1.2	Recognition of animals						120.45		15.1
WP 1.2.1	Experiments with a first CNN	Researcher	1	8	8	13.2		1.7	
WP 1.2.2	CNN for recognizing a drawn animal	Programmer	2	16	32	52.8		6.6	
WP 1.2.3	CNN for recognizing multiple drawn animals	Programmer	2	16	32	52.8		6.6	
FA 1.3	Advanced recognition of animals (optional)						118.8		14.9
WP 1.3.1	Theoretical consideration of alternative models	Researcher	3	4	12	19.8		2.5	
FA 1.4	Annotating animals with digits to denote their importance						19.8		2.5
WP 1.4.1	Model for recognizing a handwritten digit	Researcher	1	4	4	6.6		0.8	
WP 1.4.2	Model recognizing multiple handwritten digits	Programmer	2	4	8	13.2		1.7	
WP 1.4.3	Associate recognized digits with animals	Programmer	1	16	16	26.4		3.3	
FA 1.5	Annotating animals with markers to denote their relations						46.2		5.8
WP 1.5.1	Evaluate different marker types	Graphic designer	1	4	4	6.6		0.8	
WP 1.5.2	Model for recognizing a marker	Researcher	1	8	8	13.2		1.7	
WP 1.5.3	Model for recognizing multiple markers	Programmer	2	8	16	26.4		3.3	
WP 1.5.4	Associate recognized markers with animals	Programmer	1	16	16	26.4		3.3	
WP 1.5.5	Determine groups of animals	Programmer	1	4	4	6.6		0.8	
FA 1.6	Annotating animals with activity cards to denote their actions						79.2		9.9
WP 1.6.1	Sketch and design various activity cards	Graphic designer	8	1	8	13.2		1.7	
WP 1.6.2	Experiment with various styles in terms of art	Graphic designer	4	2	8	13.2		1.7	
WP 1.6.3	Create the activity cards digitally	Graphic designer	8	2	16	26.4		3.3	
WP 1.6.4	Process for producing physical activity cards	Graphic designer	1	8	8	13.2		1.7	
WP 1.6.5	Model for recognizing activity cards	Programmer	1	8	8	13.2		1.7	
WP 1.6.6	Model for recognizing multiple activity cards	Programmer	2	8	16	26.4		3.3	
WP 1.6.7	Associate recognized activity cards with animals	Programmer	1	16	16	26.4		3.3	
FA 1.7	Generating children's stories						132		16.5
WP 1.7.1	Create internal data structure to represent an annotated drawing	Programmer	3	4	12	19.8		2.5	
WP 1.7.2	Experiment with free to integrate LLMs	Researcher	3	4	12	19.8		2.5	
WP 1.7.3	Engineer the prompts to make the LLM tell good stories	Programmer	3	4	12	19.8		2.5	
FA 1.8	Tell children's story using text to speech						59.4		7.4
WP 1.8.1	Apply text-to-speech	Programmer	2	4	8	13.2		1.7	
FA 1.9	Scientific research						13.2		1.7
WP 1.9.1	Placeholder 1 for scientific research	Researcher	1	8	8	13.2		1.7	
WP 1.9.2	Placeholder 2 for scientific research	Researcher	1	8	8	13.2		1.7	
WP 1.9.3	Placeholder 3 for scientific research	Researcher	1	8	8	13.2		1.7	
FA 1.10	Project evaluation						39.6		5
WP 1.10.1	Preparation of evaluation method	Researcher	3	4	12	19.8		2.5	
WP 1.10.1	Evaluation of the product	Researcher	6	4	24	39.6		5.0	
WP 1.10.3	Analysis of evaluation feedback	Researcher	3	4	12	19.8		2.5	
FA 1.11	Project and Product Management						79.2		9.9
WP 1.11.1	Project Management, Ideation, Solution Design 1	All	3	64	192	316.8		39.6	
WP 1.11.2	Project Management, Ideation, Solution Design 2	All	3	16	48	79.2		9.9	
WP 1.11.3	Project Management, Ideation, Solution Design 3	All	3	16	48	79.2		9.9	
							475.2		59.4
Total					717	1183.05	1183.05	148.7	148.1

zur Orientierung Total SWS der LV über 3 Semester pro Person	
4 SWS mal 4 (Wochen) mal 4 (Monate) mal 3 (Semester)	192
mal 3 Personen	
SWS werden nicht ausreichen, um das Projekt fertigzustellen	576