|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| KW | Aktivität | 1.Unteraktivität | 2.Unteraktivität | | W geplant | | Franziska | | Sergej |
|  | **Projektidee finden** | | | **26** | | **29** | | **13** | |
| 16 | Exposé erstellen | | | 5 | | 4.5 | | 3.5 | |
|  |  | Idee finden | | | | | | | |
|  |  |  | Brainstorming | | 0.5 | | 0.5 | | 0.5 |
|  |  | Alternative Ideen | | | | | | | |
|  |  |  | Brainstorming | | 0.5 | | 0.5 | | 0.5 |
|  |  | Exposé 1 Erstellen | | | | | | | |
|  |  |  | Problem | | 0.5 | |  | | 1 |
|  |  |  | Zielsetzung | | 0.5 | |  | | 0.5 |
|  |  |  | Verteiltes System | | 0.5 | |  | | 0.5 |
|  |  |  | Relevanz | | 0.5 | |  | | 0.5 |
|  |  | Exposé 2 Erstellen | | | | | | | |
|  |  |  | Problem | | 0.5 | | 1.5 | |  |
|  |  |  | Zielsetzung | | 0.5 | | 1 | |  |
|  |  |  | Verteiltes System | | 0.5 | | 0.5 | |  |
|  |  |  | Relevanz | | 0.5 | | 0.5 | |  |
|  | | | | | | | | | |
| 17-18 | Exposé überarbeiten | | | 16 | | 21 | | 6 | |
|  |  | Domänenrecherche | |  | |  | |  | |
|  |  |  | Domäne identifizieren | | 3 | | 2.5 | | 2.5 |
|  |  |  | Domäne analysieren | | 4 | | 7 | |  |
|  |  | Marktrecherche | |  | |  | |  | |
|  |  |  | Konkurrenzprodukte finden | | 1 | | 2.5 | |  |
|  |  |  | **iCow** analysieren | | 2 | | 2 | | 0.5 |
|  |  |  | **e-Soko** analysieren | | 2 | | 2 | | 0.5 |
|  |  |  | **IRMGARD** analysieren | | 2 | | 3.5 | | 1 |
|  |  | Exposé anpassen | |  | |  | |  | |
|  |  |  | Zielsetzung überarbeiten | | 1 | | 0.5 | | 0.5 |
|  |  |  | Anwendungslogik überarbeiten | | 1 | | 1 | | 1 |
|  | | | | | | | | | |
| 17-18 | Alleinstellungsmerkmale | | | 2 | | 1 | | 1 | |
|  |  | Alleinstellungsmerkmale identifizieren | | | | | | | |
|  |  |  | Aus der Marktrecherche herleiten | | 1 | | 0.5 | | 0.5 |
|  |  |  | Brainstorming | | 1 | | 0.5 | | 0.5 |
|  | | | | | | | | | |
| 18 | Stakeholderanalyse | | | 3 | | 2.5 | | 2.5 | |
|  |  | Stakeholder identifizieren | | | | | | | |
|  |  |  | Brainstorming | | 1 | | 0.5 | | 0.5 |
|  |  | Stakeholder analysieren | | | | | | | |
|  |  |  | Tabelle aufstellen | | 2 | | 2 | | 2 |
| MS | Exposé und Stakeholderanalyse fertig gestellt | | | | | | | | |
|  | | | | | | | | | |
|  | **Risikoanalyse und POCs** | | | **17** | | **6.5** | | **14.5** | |
| 18 | Risikoanalyse | | | 7 | | 6.5 | | 3.5 | |
|  |  | Risiken identifizieren | | | | | | | |
|  |  |  | Brainstorming | | 1 | | 0.5 | | 0.5 |
|  |  |  | Risiken aufschreiben | | 0.5 | | 0.25 | | 0.25 |
|  |  | Risiken analysieren | | | | | | | |
|  |  |  | Risiken Analysieren | | 2 | | 1 | | 1 |
|  |  |  | Risiken Beschreiben | | 2 | | 1 | | 1 |
|  |  |  | Gegenmaßnahmen überlegen | | 1 | | 0.5 | | 0.5 |
|  |  |  | Tabelle aufstellen | | 0.5 | | 0.25 | | 0.25 |
|  |  |  | Risiken ausformulieren | | 2 | | 3 | |  |
|  | | | | | | | | | |
| 19 | POCs | | | 10 | |  | | 11 | |
|  |  | POCs identifizieren | | | | | | | |
|  |  |  | POCs aus Risiken ableiten | | 1 | |  | | 1 |
|  |  |  | Brainstorming | | 1 | |  | | 1 |
|  |  | POCs analysieren | | | | | | | |
|  |  |  | POCs beschreiben | | 2 | |  | | 2 |
|  |  |  | Exit Kriterien | | 2 | |  | | 2.5 |
|  |  |  | Fail Kriterien | | 2 | |  | | 2 |
|  |  |  | Fallback beschreiben | | 2 | |  | | 2.5 |
| MS Risikoanalyse und POCs abgeschlossen | | | | | | | | | |
|  | | | | | | | | | |
|  | **Methodischer Rahmen und Architektur** | | | **25** | | **12** | | **16** | |
| 19 | Auswahl des methodischen Rahmens | | | 4.5 | |  | | 4.5 | |
|  |  | User Centered Design | | | | | | | |
|  |  |  | Analysieren | | 2 | |  | | 2 |
|  |  | Usage Centered Design | | | | | | | |
|  |  |  | Analysieren | | 2 | |  | | 2 |
|  |  |  | Auswahl begründen | | 0.5 | |  | | 0.5 |
|  | | | | | | | | | |
| 19 | Auswahl des Vorgehensmodells | | | 7 | |  | | 7 | |
|  |  | Discount Usability Engineering | | | | | | | |
|  |  |  | Analysieren | | 2 | |  | | 2 |
|  |  | Usability Engineering Lefecycle | | | | | | | |
|  |  |  | Analysieren | | 2 | |  | | 2 |
|  |  | Scenario Based Usability Engineering | | | | | | | |
|  |  |  | Analysieren | | 2 | |  | | 2 |
|  |  | Fazit | | | | | | | |
|  |  |  | Auswahl begründen | | 1 | |  | | 1 |
|  | | | | | | | | | |
| 19 | Kommunikationsmodell | | | 8.5 | | 12 | |  | |
|  |  | Deskriptives Modell | | | | | | | |
|  |  |  | Brainstorming | | 1.5 | | 2 | |  |
|  |  |  | Modell erstellen | | 2.5 | | 3.5 | |  |
|  |  | Präskriptives Modell | | | | | | | |
|  |  |  | Brainstorming | | 1.5 | | 2 | |  |
|  |  |  | Modell erstellen | | 3 | | 4.5 | |  |
|  | | | | | | | | | |
| 18-19 | Architekturmodell | | | 6.5 | |  | | 4.5 | |
|  |  | Architekturmodell erstellen | | | | | | | |
|  |  |  | Brainstorming | | 1 | |  | | 1 |
|  |  |  | Zielplattformen ermitteln | | 0.5 | |  | | 0.5 |
|  |  |  | Paradigma des Netzwerkes festlegen | | 2 | |  | | 2 |
|  |  |  | Protokolle und Datenformate festlegen | | 2 | |  | | 2 |
|  |  |  | Modell entwerfen | | 1 | |  | | 1 |
| MS | MCI Rahmen und Architekturmodell festgelegt | | | | | | | | |
|  | | | | | | | | | |
|  | **Rapid-Prototyping** | | | **13** | | **4** | | **20.5** | |
| 19 |  | Architektur einrichten | | | | | | | |
|  |  |  | Server einrichten | | 1 | |  | | 0.5 |
|  |  |  | Datenbank einrichten | | 1 | |  | | 3 |
|  |  |  | Client einrichten | | 1 | |  | | 5 |
|  |  | POCs umsetzen | | | | | | | |
|  |  |  | Auswertung der Bodendaten | | 5 | | 4 | | 8 |
|  |  |  | Effiziente Datenübertragung | | 5 | |  | | 4 |
| MS | Rapid-Prototyp fertig | | | | | | | | |
|  | | | | | | | | | |
| **MS** | **Projektplan** | | | **7.5** | | **3** | | **8.5** | |
| 19 |  | Projektplan erstellen | | | | | | | |
|  |  |  | Layout | | 0.5 | |  | | 0.5 |
|  |  |  | Aktivitäten definieren | | 1 | |  | | 4 |
|  |  |  | Aktivitäten mit Workload eintragen | | 2 | | 2 | | 2 |
|  |  | Iterationen im Laufe des Projekts | | | | | | | |
|  |  |  | Aktivitäten definieren | | 2 | | 0.5 | | 1 |
|  |  |  | Aktivitäten mit Workload eintragen | | 2 | | 0.5 | | 1 |
| MS | Projektplan – erste Iteration | | | | | | | | |
|  | | | | | | | | | |
|  | **Restliche POC durchführen** | | | **20** | | **5** | | **15** | |
| 20 | Durchführung der POCs | | |  | |  | |  | |
|  |  | POCs | | | | | | | |
|  |  |  | Benutzer Anlegen | | 1 | |  | | 1 |
|  |  |  | Eintrag mit Ackerdaten erstellen | | 1 | |  | | 1 |
|  |  |  | Collaborators dem Eintrag hinzufügen | | 1 | |  | | 1 |
|  |  |  | Effiziente Datenübertragung | | 2 | |  | | 2 |
|  |  |  | Auswertung der Bodendaten | | 3 | |  | | 3 |
|  |  |  | Klimatische Daten der Externen Dienste | | 2 | | 5 | |  |
|  |  |  | Effiziente Erstellung interaktiver Tutorials | | 3 | |  | | 2 |
|  |  |  | Erstellung der Anleitungen für Mobiltelefone | | 2 | |  | | 1 |
|  |  |  | Didaktische Darstellung der Informationen | | 5 | |  | | 4 |
| 02.06.17 | Durchgeführte POCs dokumentiert | | | | | | | | |
|  | | | | | | | | | |
|  | **Anforderungsanalyse** | | | **80** | | **46** | | **45** | |
| 21 | User Profiles erstellen | | | 16 | | 18 | | 9 | |
|  |  | Daten erheben | | | | | | | |
|  |  |  | Recherchieren | | 2 | | 2.5 | | 2 |
|  |  |  | Aus Stakeholder Analyse ermitteln | | 2 | | 2 | | 1 |
|  |  | User Profiles erstellen | | | | | | | |
|  |  |  | sinnvolle Merkmale spezifizieren | | 2 | | 2 | | 1 |
|  |  |  | User Profiles erstellen | | 2 | | 2.5 | | 1 |
|  |  | Personae | | | | | | | |
|  |  |  | Personae erstellen | | 5 | | 9 | | 2 |
|  |  | Iterativ überarbeiten | | | | | | | |
|  |  |  | User Profiles und Personae evaluieren | | 2 | |  | | 1 |
|  |  |  | User Profiles und Personae überarbeiten | | 1 | |  | | 1 |
|  | | | | | | | | | |
| 21 | Task analysis (deskriptiv) | | | 31 | | 13 | | 15 | |
|  |  | Daten aufheben | | | | | | | |
|  |  |  | Recherchieren | | 6 | | 3 | | 3 |
|  |  |  | Task Szenarien Erstellen | | 6 | | 2 | | 2 |
|  |  | User Task Organization Model | | | | | | | |
|  |  |  | Taks szenarien analysieren | | 5 | | 3 | | 3 |
|  |  |  | Recherchieren | | 5 | | 3 | | 3 |
|  |  |  | Task model erstellen | | 5 | | 2 | | 2 |
|  |  | Task model evaluieren | | | | | | | |
|  |  |  | validieren | | 2 | |  | | 1 |
|  |  |  | iterieren | | 2 | |  | | 1 |
|  | | | | | | | | | |
| 21 | Anforderungen an das System ermitteln | | | 9 | | 9 | | 6 | |
|  |  | Funktionale Anforderungen | | | | | | | |
|  |  |  | aus der Stakeholderanalyse ermitteln | | 1 | | 1 | | 1 |
|  |  |  | aus den User Profiles ermitteln | | 1 | | 1 | | 1 |
|  |  |  | aus der Task Analyse ermitteln | | 1 | | 1 | | 1 |
|  |  | Qualitative Anforderungen | | | | | | | |
|  |  |  | aus der Stakeholderanalyse ermitteln | | 1 | | 1 | | 1 |
|  |  |  | aus den User Profiles ermitteln | | 1 | | 1 | | 1 |
|  |  |  | aus der Task Analyse ermitteln | | 1 | | 1 | | 1 |
|  |  | Organisatorische Anforderungen | | | | | | | |
|  |  |  | aus der Stakeholderanalyse ermitteln | | 1 | | 1 | |  |
|  |  |  | aus den User Profiles ermitteln | | 1 | | 1 | |  |
|  |  |  | aus der Task Analyse ermitteln | | 1 | | 1 | |  |
|  | | | | | | | | | |
| 21 | Platform Constraints ermitteln | | | 4 | |  | | 2 | |
|  |  | Plattform analysieren | | | | | | | |
|  |  |  | Plattformen definieren | | 2 | |  | | 1 |
|  |  |  | Plattformen analysieren | | 2 | |  | | 1 |
|  | | | | | | | | | |
| 21 | Usability Goals | | | 10 | |  | | 9 | |
|  |  | Usability Goals definieren | | | | | | | |
|  |  |  | Userprofiles und Anforderungen Analysieren | | 5 | |  | | 4 |
|  |  |  | Qualitative und quantitative Usability Goals definieren | | 5 | |  | | 5 |
|  | | | | | | | | | |
| 21 | Puffer | | | 10 | | 6 | | 4 | |
|  |  | Iteration der abgeschlossenen Artefakte | | | | | | | |
|  |  |  | Artefakte überarbeiten | | 10 | | 6 | | 4 |
| 28.05.17 | Anforderungsanalyse abgeschlossen | | | | | | | | |
|  | | | | | | | | | |
| **MS** | **Work re-engineering** | | | **32** | | **3** | | **23.5** | |
| 22 | Task analysis (präskriptiv) | | | 10 | | 3 | | 8 | |
|  |  | Task Model | | | | | | | |
|  |  |  | Brainstorming | | 1 | | 0.5 | | 0.5 |
|  |  |  | Recherchieren | | 2 | | 2 | | 2 |
|  |  |  | Taks szenarien analysieren | | 1 | | 0.5 | | 0.5 |
|  |  |  | Task model erstellen | | 2 | |  | | 1 |
|  |  | Task model evaluieren | | | | | | | |
|  |  |  | validieren | | 2 | |  | | 1 |
|  |  |  | iterieren | | 2 | |  | | 3 |
|  | | | | | | | | | |
| 22 | Conceptual Model Design | | | 12 | |  | | 10.5 | |
|  |  | CM Mockups erstellen | | | | | | | |
|  |  |  | Präskriptive Aufgabenmodellierung realisieren | | 4 | |  | | 3 |
|  |  |  | Papierbasierten Prototypen erstellen | | 5 | |  | | 6 |
|  |  | Mockups evaluieren | | | | | | | |
|  |  |  | Probleme ermitteln | | 2 | |  | | 1 |
|  |  |  | Mockups ergänzen | | 1 | |  | | 0.5 |
|  | | | | | | | | | |
| 22 | Puffer | | | 10 | |  | | 5 | |
|  |  | Iteration der abgeschlossenen Artefakte | | | | | | | |
|  |  |  | Artefakte überarbeiten | | 10 | |  | | 5 |
| 06.06.17 | Work re-engineering und Mockups | | | | | | | | |
|  | | | | | | | | | |
|  | **Screen Design Standards** | | | **10** | |  | | **5** | |
| 23 | Screen Design Standards | | | 10 | |  | | 5 | |
|  |  | Screen Design Standards erarbeiten | | | | | | | |
|  |  |  | Screen Design Standards festlegen | | 10 | |  | | 5 |
| 07.06.17 | Screen Design Standards abgeschlossen | | | | | | | | |
|  | | | | | | | | | |
|  | **Detaild User Interface Design** | | | **32** | |  | | **31** | |
| 22 | Elemente des UI’s erstellen | | | 10 | |  | | 10 | |
|  |  | Einzelne Elemente erstellen | | | | | | | |
|  |  |  | Elemente designen | | 10 | |  | | 10 |
|  | | | | | | | | | |
| 22 | DUID Prototyping | | | 12 | |  | | 11 | |
|  |  | Prototypen erstellen | | | | | | | |
|  |  |  | SDS Standards anwenden | | 2 | |  | | 1 |
|  |  |  | Mockups erstellen | | 5 | |  | | 5 |
|  |  |  | Mockups digitalisieren | | 5 | |  | | 5 |
|  | | | | | | | | | |
| 22 | Puffer |  |  | | 10 | |  | | 5 |
|  |  | Iteration der abgeschlossenen Artefakte | | | | | | | |
|  |  |  | Artefakte überarbeiten | | 10 | |  | | 5 |
| 08.06.17 | Detaild User Interface Design Prototype | | | | | | | | |
|  | | | | | | | | | |
|  | **DUID Evaluation** | | | **25** | |  | | **22** | |
|  | Evaluation durchführen | | |  | |  | |  | |
|  |  | Funktionsfähigen Prototypen erstellen | | | | | | | |
|  |  |  | DUID implementieren | | 5 | |  | | 4 |
|  |  | Artefakte vorbereiten | | | | | | | |
|  |  |  | Tasks definieren | | 2 | |  | | 2 |
|  |  |  | Task beschreiben | | 2 | |  | | 2 |
|  |  |  | Data Sheets erstellen | | 2 | |  | | 2 |
|  |  | Evaluation durchführen | | | | | | | |
|  |  |  | Benutzer involvieren | | 1 | |  | | 1 |
|  |  |  | User Training | | 1 | |  | | 1 |
|  |  |  | Durchführung | | 5 | |  | | 4 |
|  |  | Ergebnisse evaluieren | | | | | | | |
|  |  |  | Daten sammeln | | 2 | |  | | 2 |
|  |  |  | Daten evaluieren | | 5 | |  | | 4 |
| 09.06.17 | Daten der Evaluation | | | | | | | | |
|  | | | | | | | | | |
|  | **Systemarchitektur planen** | | | **48** | |  | | **35** | |
|  | Datenstrukturen | | | 10 | |  | | 10 | |
|  |  | Datenstruktur erstellen | | | | | | | |
|  |  |  | Struktur der ausgetauschten Daten ermitteln | | 10 | |  | | 10 |
|  | | | | | | | | | |
| 22 | Modellierung der Architektur | | | 28 | |  | | 20 | |
|  |  | Architekturmodell erstellen | | | | | | | |
|  |  |  | Brainstorming und Recherchen | | 3 | |  | | 1 |
|  |  |  | Anwendungslogik festlegen | | 5 | |  | | 8 |
|  |  |  | Architekturmodell überarbeiten | | 5 | |  | | 2 |
|  |  | Modellierung der Architekturmerkmalle | | | | | | | |
|  |  |  | Ressourcen modellieren | | 5 | |  | | 6 |
|  |  |  | Datenformate festlegen | | 5 | |  | | 2 |
|  |  |  | Protokolle festlegen | | 5 | |  | | 1 |
|  | | | | | | | | | |
| 22 | Puffer | | | 10 | |  | | 5 | |
|  |  | Iteration der abgeschlossenen Artefakte | | | | | | | |
|  |  |  | Artefakte überarbeiten | | 10 | |  | | 5 |
| 11.06.17 | Systemplanung abgeschlossen | | | | | | | | |
|  | | | | | | | | | |
| **MS** | **Dokumentation erstellen** | | | **40** | | **25** | | **48** | |
| 23 | Dokumentation ausarbeiten | | |  | |  | |  | |
|  |  | Dokumentation erstellen | | | | | | | |
|  |  |  | Inhalt festlegen | | 10 | |  | | 8 |
|  |  |  | Dokumentation ausarbeiten | | 30 | | 20 | | 40 |
|  |  |  | Fazit formulieren | | 4 | | 5 | |  |
| 12.06.17 | Dokumentation abgegeben | | | | | | | | |
|  | | | | | | | | | |
|  | **Implementieren** | | | **227** | | 72.5 | | **223** | |
| 24-28 | Implementieren | | |  | |  | |  | |
|  |  | User Login | | | | | | | |
|  |  |  | Implementieren | | 10 | |  | | 10 |
|  |  |  | Testen | | 1.5 | |  | | 3 |
|  |  |  | Überarbeiten | | 1.5 | |  | | 2 |
|  |  | Erstellung neuer Entries | | | | | | | |
|  |  |  | Implementieren | | 20 | |  | | 25 |
|  |  |  | Einfügen der Collaborators | | 5 | |  | | 10 |
|  |  |  | Debugging | | 5 | |  | | 5 |
|  |  |  | Testing | | 5 | |  | | 5 |
|  |  | Wetter API | | | | | | | |
|  |  |  | Ermittlung der Adresse | | 10 | | 6 | | 15 |
|  |  |  | Wetterdaten Abfrage nach Adresse | | 20 | | 4 | | 10 |
|  |  |  | Autofill-Funktion | | 5 | |  | | 5 |
|  |  |  | Testing-Debugging | | 5 | |  | | 5 |
|  |  | Analyse der Bodendaten | | | | | | | |
|  |  |  | Implementieren | | 20 | |  | | 23 |
|  |  |  | Festlegen u. Speichern von Pflanzendaten | | 4 | | 4 | |  |
|  |  |  | Debugging | | 5 | |  | | 5 |
|  |  |  | Testing | | 5 | |  | | 10 |
|  |  | Interaktive Darstellung der Ackerdaten | | | | | | | |
|  |  |  | Layout | | 5 | |  | | 10 |
|  |  |  | Vorlesefunktion | | 10 | |  | | 20 |
|  |  |  | Visualisierung der Daten | | 5 | |  | | 15 |
|  |  |  | Debugging - Testing | | 5 | |  | | 10 |
|  |  | Interaktive Visualisierung der Anleitungen | | | | | | | |
|  |  |  | Zusätzliche Recherchen | | 5 | | 10 | |  |
|  |  |  | Erstellung der Bilder | | 10 | | 24 | |  |
|  |  |  | Formulieren von Strings f. Vorlesefunktion | | 2 | | 3 | |  |
|  |  |  | Implementieren | | 30 | | 3.5 | | 25 |
|  |  | Sms versenden | | | | | | | |
|  |  |  | Recherche zu Websms | | 4 | | 4 | |  |
|  |  |  | Implementieren | | 6 | | 8 | |  |
|  |  |  | Debugging | | 3 | | 3 | |  |
|  |  |  | Testing | | 2 | | 3 | |  |
|  | | | | | | | | | |
|  | Puffer | | | 20 | |  | | 10 | |
|  |  | Iterative Implementierung | | | | | | | |
|  |  |  | Debugging-Testing | | 10 | |  | | 10 |
| 10.07.17 | Implementierung abgeschlossen | | | | | | | | |
|  | | | | | | | | | |
|  | **Fazit zum Projekt** | | | **10** | | **14** | | **1.5** | |
| 28 | Fazit | | | 9 | | 14 | |  | |
|  |  | Diskussion des Zielerreichungsgrades | | 3 | | 5 | | x | |
|  |  | Kritische Reflexion des Projektes | | 3 | | 5 | | X | |
|  |  | Prozessassessment und Fazit formulieren | | 3 | | 4 | |  | |
|  | | | | | | | | | |
| 28 | Implementationsdokumentation | | | 1 | |  | | 1.5 | |
|  |  | Begründung der Architekturänderungen | | 1 | |  | | 1.5 | |
| 10.07.17 | Entwicklungsprozess evaluiert | | | | | | | | |
|  | | | | | | | | | |
|  | **Poster** | | | **7.5** | |  | |  | |
| 28 | Poster erstellen | | |  | |  | |  | |
|  |  | Layout erstellen | | | | | | | |
|  |  |  | Brainstorming | | 2 | | 1 | | 1 |
|  |  |  | Fotos machen | | 2 | | 3 | |  |
|  |  |  | Layout erstellen | | 5 | |  | | x |
|  |  | Drucken | | | | | | | |
|  |  |  | Poster drucken | | 0.5 | |  | |  |
| 14.07.17 | Poster erstellt | | | | | | | | |
|  |  | | | | | | | | |
| **17.07.17** | **Präsentation** | | | | | | | | |
| **17.07.17** | **Projekt abgeschlossen** | | | | | | | | |
|  |  |  |  | | 600 | | 220 | | 522.5 |