# FILA FORM

Week 1

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| **FACTS** | **IDEAS** | **LEARNING ISSUES** | **ACTION** | **DATELINE** |
| What we know about the task | What do we need to find out? | | Who is going to do it? | 02/06/2021 |
| Planning | Define & Update group contract | | Zuha | 02/06/2021 |
| Define project planning | | Zuha/Zayeem/Flash | 02/06/2021 |
| Select emotion for the project | | Zuha/Zayeem/Flash | 02/06/2021 |
| Animoji program design process flow | | Zuha/ Zayeem/Flash | 02/06/2021 |
| Consolidate content in the report | | Zuha/ Zayeem | 02/06/2021 |
| Create FILA form | | Zuha | 02/06/2021 |
| DS1: Define& Analyze Animoji | Introduction | | Zayeem | 02/06/2021 |
| Project background/Literature Review | | Zuha/Zayeem | 02/06/2021 |
| Animoji Analysis | | Zuha/Zayeem/Flash | 02/06/2021 |
| References | | Zayeem | 02/06/2021 |
| DS2: Create Animoji | Create Anger, Disgust, Neutral, Unidentified Memoji | | Zuha | 02/06/2021 |
| Record Memoji Anger, Disgust, Neutral, and Unidentified | | Zuha | 02/06/2021 |
| Convert Memoji video into Animoji GIF | | Zuha | 02/06/2021 |
| DS3: DTW Algorithm | Research on DTW | | Zuha/Zayeem/Flash | 02/06/2021 |
| DS4: Program coding | Research on existing speech recognition program | | Zuha/Zayeem/Flash | 02/06/2021 |

Week 2

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| **FACTS** | **IDEAS** | **LEARNING ISSUES** | **ACTION** | **DATELINE** |
| What we know about the task | What do we need to find out? | | Who is going to do it? | 09/06/2021 |
| Planning | Project week 2 task planning | | Zuha | 09/06/2021 |
| Create/Update FILA form | | Zuha | 09/06/2021 |
| Upload progress file on Github | | Zuha | 09/06/2021 |
| Create website (Front end) | | Flash | 09/06/2021 |
| Upload and create links for team’s progress | | Flash | 09/06/2021 |
| DS1: Define& Analyze Animoji | Animoji Analysis Update | | Zuha | 09/06/2021 |
| DS2: Create Animoji | Update and convert Animoji into GIF | | Zuha | 09/06/2021 |
| DS3: DTW Algorithm | Report: Speech Recognition and process flow | | Zuha/Zayeem | 09/06/2021 |
| Report: MFCC | | Zayeem | 09/06/2021 |
| Report: DTW Background | | Zuha/Zayeem | 09/06/2021 |
| Report: DTW Algorithm Pseudocode | | Zuha/Zayeem | 09/06/2021 |
| Report: DTW Time Complexity /Weakness | | Zuha | 09/06/2021 |
| Report: Project Scope limitation DTW Implementation | | Zuha/Zayeem | 09/06/2021 |
| Python code: implementation (part 1 – voice to text input) | | Zayeem | 09/06/2021 |
| Python code: implementation (part 2 – Animoji GIF output) | | Zuha | 09/06/2021 |
| Python code: implementation (part 3 – detecting the pitch/frequency/amplitude) | | Zuha/Zayeem | 09/06/2021 |
| Python code: implementation (part4 – implementing DTW part1) | | Zayeem | 09/06/2021 |
| Python code: implementation (part5 – implementing DTW part2) | | Zuha | 09/06/2021 |
| Testing: Python program testing and quality control | | Flash | 09/06/2021 |
| Testing: Python speech recognition testing method | | Flash | 09/06/2021 |
| DS4: Program integration | Continue research on existing speech recognition program using DTW | | Zuha/Zayeem/Flash | 09/06/2021 |

Week 3

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| **FACTS** | **IDEAS** | **LEARNING ISSUES** | **ACTION** | **DATELINE** |
| What we know about the task | What do we need to find out? | | Who is going to do it? | 16/06/2021 |
| Planning | Project week 3 task planning | | Zayeem | 16/06/2021 |
| Create/Update FILA form | | Zuha | 16/06/2021 |
| Upload progress file on Github | | Zuha | 16/06/2021 |
| Update website (Front end) | | Flash | 16/06/2021 |
| Upload and create links for team’s progress on website | | Flash | 16/06/2021 |
| DS1: Define& Analyze Animoji | Animoji Analysis Update | | Zayeem | 16/06/2021 |
| DS2: Create Animoji | Update and convert Animoji into GIF | | Zuha | 16/06/2021 |
| DS3: DTW Algorithm | Report: MFCC | | Zayeem | 16/06/2021 |
| Report: DTW Algorithm Pseudocode | | Zuha/Zayeem | 16/06/2021 |
| Report: DTW Time Complexity /Weakness | | Zuha | 16/06/2021 |
| Report: Project Scope limitation DTW Implementation | | Zuha | 16/06/2021 |
| DS4: Program integration | Python code: Code optimization | | Zuha/Zayeem | 16/06/2021 |
| Python code: GUI improvement (part1- input) | | Zuha | 16/06/2021 |
| Python code: GUI improvement (part2 – output consolidation) | | Zayeem | 16/06/2021 |
| Python code: Implementation update to improve Animoji output | | Zuha | 16/06/2021 |
| Python code: Explore how to make python program to exe | | Zuha | 16/06/2021 |
| Python code: Explore standard deviation calculation to improve accuracy | | Zayeem | 16/06/2021 |
| Testing: Testing the input and output Animoji | | Zuha/Zayeem/Flash | 16/06/2021 |

Week 4

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| **FACTS** | **IDEAS** | **LEARNING ISSUES** | **ACTION** | **DATELINE** |
| What we know about the task | What do we need to find out? | | Who is going to do it? | 23/06/2021 |
| Planning | Project week 4 task planning | | Zuha | 23/06/2021 |
| Create/Update FILA form | | Zuha | 23/06/2021 |
| Upload progress file on Github | | Zuha | 23/06/2021 |
| Upload and create links for team’s progress on website | | Flash | 23/06/2021 |
| DS3: DTW Algorithm | Report Writing: Overall report structure writing | | Zuha/Zayeem | 23/06/2021 |
| Report Writing: Part1 | | Zuha | 23/06/2021 |
| Report Writing: Part 2 | | Zayeem | 23/06/2021 |
| Report consolidation and finalization | | Zuha/Zayeem | 23/06/2021 |
| DS4: Program integration | Python code: Code optimization – Only DTW distance for detection | | Zuha | 23/06/2021 |
| Python code: Code optimization – DTW & Std Deviation | | Zuha | 23/06/2021 |
| Python code: Code Labelling | | Zuha | 23/06/2021 |
| Python Code: Print distance on output GUI | | Zayeem | 23/06/2021 |
| Testing: Only DTW distance | | Zuha/Zayeem/Flash | 23/06/2021 |
| Testing: DTW distance & word | | Zuha/Zayeem/Flash | 23/06/2021 |
| Testing: DTW & Std Deviation | | Zuha/Zayeem/Flash | 23/06/2021 |
| Testing: Diff test scenarios | | Zuha/Zayeem/Flash | 23/06/2021 |
| Presentation Slide | Slide structure creation and planning | | Zuha | 23/06/2021 |
| Slide preparation Part 1 | | Zuha | 23/06/2021 |
| Slide preparation Part 2 | | Zayeem | 23/06/2021 |
| Slide preparation Part 3 | | Flash | 23/06/2021 |
| Slide finalization | | Zuha | 23/06/2021 |