GRAM Planning Processes 11-16

**Define Activities** –

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| --- | --- | --- |
| Activity List | Activity Attributes | Milestone List |
| Build the conversation algorithm | * Define topic retrieval functions * Define text analysis function * Define response function * Define save data function | Working Base Algorithm |
| Create topic banks | * Create a variety topic banks | Starting Topic Lists Completed |
| Have program save new topics and phrases | * Enable the save data function * Test the program’s ability to save conversations | Program is able to save and remember new topics |
| Build the default profile for GRAM | * Program a baseline response program that can respond to certain topics | Default profile for the program is made |
| Build one user profile for GRAM | * Interact with GRAM on a personal level to have it gather information about myself (favorite words, common responses) | Successfully saved and created a user profile |
| Make the program GUI | * Design the GUI * Draw the GUI * Program the GUI * Design the animations * Program the animations to relate to the responses | Animations and GUI for the program |
| Demo GRAM | * Demo GRAM to friends * Demo GRAM to teachers * Fix any bugs | Demonstration of project |
| Participate in the Turing Test | * Have unbiased 3rd party interact with GRAM in a small Turing Test * Record the results | Interaction with another Human Being |
| Host Program on GitHub | * Upload GRAM to GitHub * Monitor feedback | Public Release of GRAM |

**Sequence Activities** -

1. Build the conversation algorithm
2. Create topic banks
3. Have program save new topics and phrases
4. Build the default profile for GRAM
5. Build one user profile for GRAM
6. Make the program GUI
7. Demo GRAM
8. Participate in the Turing Test
9. Host Program on GitHub

**Estimate Activity Resource** -

1. Build the conversation algorithm
   1. Notebook paper
2. Create topic banks
   1. Text program
3. Have program save new topics and phrases
   1. None
4. Build the default profile for GRAM
   1. GRAM
5. Build one user profile for GRAM
   1. Myself
   2. GRAM
6. Make the program GUI
   1. Art editing program
   2. Web browser
7. Demo GRAM
   1. Volunteers
   2. Flash Drive
   3. GRAM
8. Participate in the Turing Test
   1. Volunteers
9. Host Program on GitHub
   1. GitHub account

**Estimate Activity Duration** –

1. Build the conversation algorithm = (1.5 months)
2. Create topic banks = (1 month)
3. Have program save new topics and phrases = (1 month)
4. Build the default profile for GRAM = (1 month)
5. Build one user profile for GRAM = (1 month)
6. Make the program GUI = (0.5 months)
7. Demo GRAM = (7 days)
8. Participate in the Turing Test = (1 day)
9. Host Program on GitHub = (3 days)

**Estimate Costs** – There is no costs associated with this project

**Develop Schedule** –

|  |  |  |
| --- | --- | --- |
| Activity List | Activity Attributes | Dates |
| Build the conversation algorithm | * Define topic retrieval functions * Define text analysis function * Define response function * Define save data function | * 11/4 – 12/20 |
| Create topic banks | * Create a variety topic banks | * 11/4 – 12/20 |
| Have program save new topics and phrases | * Enable the save data function * Test the program’s ability to save conversations | * 12/20 – 1/20 |
| Build the default profile for GRAM | * Program a baseline response program that can respond to certain topics | * 1/20 – 2/01 |
| Make the program GUI | * Design the GUI * Draw the GUI * Program the GUI * Design the animations * Program the animations to relate to the responses | * 2/01 – 3/01 |
| Build one user profile for GRAM | * Interact with GRAM on a personal level to have it gather information about myself (favorite words, common responses) | * 3/01 – 4/01 |
| Demo GRAM | * Demo GRAM to friends * Demo GRAM to teachers * Fix any bugs | * 4/01 – 4/08 |
| Participate in the Turing Test | * Have unbiased 3rd party interact with GRAM in a small Turing Test * Record the results | * 4/09 |
| Host Program on GitHub | * Upload GRAM to GitHub * Monitor feedback | * 4/15 |