Hyrum Fleek

IT 410 Advanced Web development

Jan/19/21

**Full Stack semester project: Decision Maker Assistant**

**Description:** Decision Maker Assistant helps the user in making the best decision by allowing the user to create their decision and then add a list of negatives and benefits (or Factors) to that certain decision. The user can rank the importance of their decision, assign a weight value to each benefit or negative, share their decision with their friends to set a trusted friend as their advisor. One a decision has been made, the user can set a time to come back and input the results and the Decision Maker Assistant app can use this data to help you in future decisions.

**Domain Events:**

User account events:

* User Account Created
* User Account Updated/Edited
* User Account Deleted
* User Password Updated
* Friend Added
* Friend Removed
* Advisor Set
* Advisor Removed

Decision events:

* Decision Created
* Decision Edited
* Decision Deleted
* Importance of Decision Ranked
* Choice Added
* Choice Removed (a decision must have at least 2 choices)
* Description for Decision Added
* Description for Decision Removed
* Decision Made or Decision marked as “made”
* Due Date for Decision Set
* Due Date for Decision Edited
* Due Date for Decision Removed
* Results Report Reminder for Decision Set (user inputs a certain amount of time to be reminded by app to come back and report the results of the decision that was made)
* Results Report Reminder for Decision Results Edited
* Decision Shared with a Friend (can only see that decision, cannot edit but can comment)
* Decision Unshared with a Friend
* Decision Set Open to Friends
* Decision Set Closed to Friends
* Friend added comment to Decision
* Advisor added their advice to Decision

Choice events:

* Choice Created
* Choice Edited
* Choice Deleted
* Description for Choice Added
* Description for Choice Removed
* Factor Added to Choice
* Factor Removed from Choice

Factor events:

* Factor Created
* Factor Edited
* Factor Deleted
* Factor Alignment Set (positive or negative)
* Factor Influence Value Set (1-10 and default is 1)

File events:

* File Uploaded
* File Deleted

**Domain Commands:**

User account commands:

* Create User account
* Set User account data
* Update/Edit User Account
* Authenticate User
* Delete User Account
* Add a Friend
* Remove Friend
* Set Friend as Advisor
* Remove Friend as Advisor

Decision commands:

* Create Decision
* Edit Decision
* Delete Decision
* Rank the importance of Decision
* Edit Rank importance of Decision
* Add Choice to Decision
* Remove Choice from Decision
* Add Description to Decision
* Remove Description from Decision
* Make Decision
* Set Due Date for Decision
* Edit Due Date for Decision
* Remove Due Date from Decision
* Set Results Report Reminder for Decision
* Edit Results Report Reminder for Decision
* Share Decision with Friend
* Unshare Decision with Friend
* Set Decision as Open to all Friends
* Set Decision as Closed to all Friends
* Add comment from Friend to Decision
* Add Advisors advice to a Decision

Choice commands:

* Create a Choice
* Edit Choice
* Delete Choice
* Add Description to Choice
* Remove Description from Choice
* Add Factor to Choice
* Remove Factor from Choice

Factor commands:

* Create Factor
* Set Factor Alignment
* Edit Factor
* Delete Factor
* Set Influence Value for a Factor

File events:

* Upload File
* Delete File

**Queries:**

* Get User Account Info
* Get all Decisions
* Get Single Decision
* Get Decision Choices
* Get Single Decision Choice
* Get Choice Factors
* Get Single Choice Factor
* Get Due Date for Decision
* Get Advisor
* Download File

**Entities:**

User account:

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| id | UUID | Automatically generated, immutable, unique identifier |
| username | text | The user’s chosen display name |
| password | Encrypted text | The user’s password |
| email | text | The user’s email |
| phone | integer | The user’s phone, null if no phone input |
| friend(s) | text | The user’s friends, null if no friends |
| advisor | text | The user’s advisor, null if no advisor set |

Decision:

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| id | UUID | Automatically generated, immutable, unique identifier |
| account id | UUID | The account id that this decision belongs to |
| name | text | The name of the decision |
| due date | date | The due date, or null if no due date |
| result(s) reminder | date | The date for reminder to user to input decision results, or null if no reminder |
| result(s) | text | The results of the decision |
| description | text | The description of the decision |
| isOpen | int | If the decision is open to friends then it is 1, 0 if closed |
| shared with | text | List of friends that decision is shared with |
| friend comment(s) | text | Comments added by friends to decision |
| advisor advice | text | Advice added from advisor to the whole decision |
| decision made | date | Date when decision was made, null if not made yet |

Choice:

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| id | UUID | Automatically generated, immutable, unique identifier |
| decision id | UUID | The decision id that this choice belongs to |
| description | text | The description of the choice |

Factor:

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| id | UUID | Automatically generated, immutable, unique identifier |
| choice id | UUID | The choice id that this factor belongs to |
| alignment | text | If the factor is a positive influence or negative influence |
| influence value | integer | 1-10 int value of how much influence this factor has |
| description | text | The description of the factor |

**Value Objects:**

File:

|  |  |  |
| --- | --- | --- |
| **Property** | **Type** | **Description** |
| id | UUID | Automatically generated, immutable, unique identifier |
| factor id | UUID | The factor id that this file belongs to, null if not attached to factor |
| choice id | UUID | The choice id that this file belongs to, null if not attached to factor |
| decision id | UUID | The decision id that this file belongs to, null if not attached to factor |
| name | text | The name for the file |
| mime type | text | The file’s mime type |
| file path | text | The file’s path |