

Graphical Password Authenticator Team UM7 Sprint 1

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General Overview





What is our product?

- It is a Graphical Password Authenticator
- Create Users that will have a username and a image password.
- The password will be a sequence of 5 images that must be chosen in the correct order.
- Unique way of entering password for verification, similar to Google Captcha
- Purpose: Protect user information by providing more security using a unique pass authenticator method
- Target: Services with User account that hold private or financial information (Bank, Subscription Services, Gacha games)



What are we using?

Web application:

HTML, CSS, Javascript, PHP, SQL

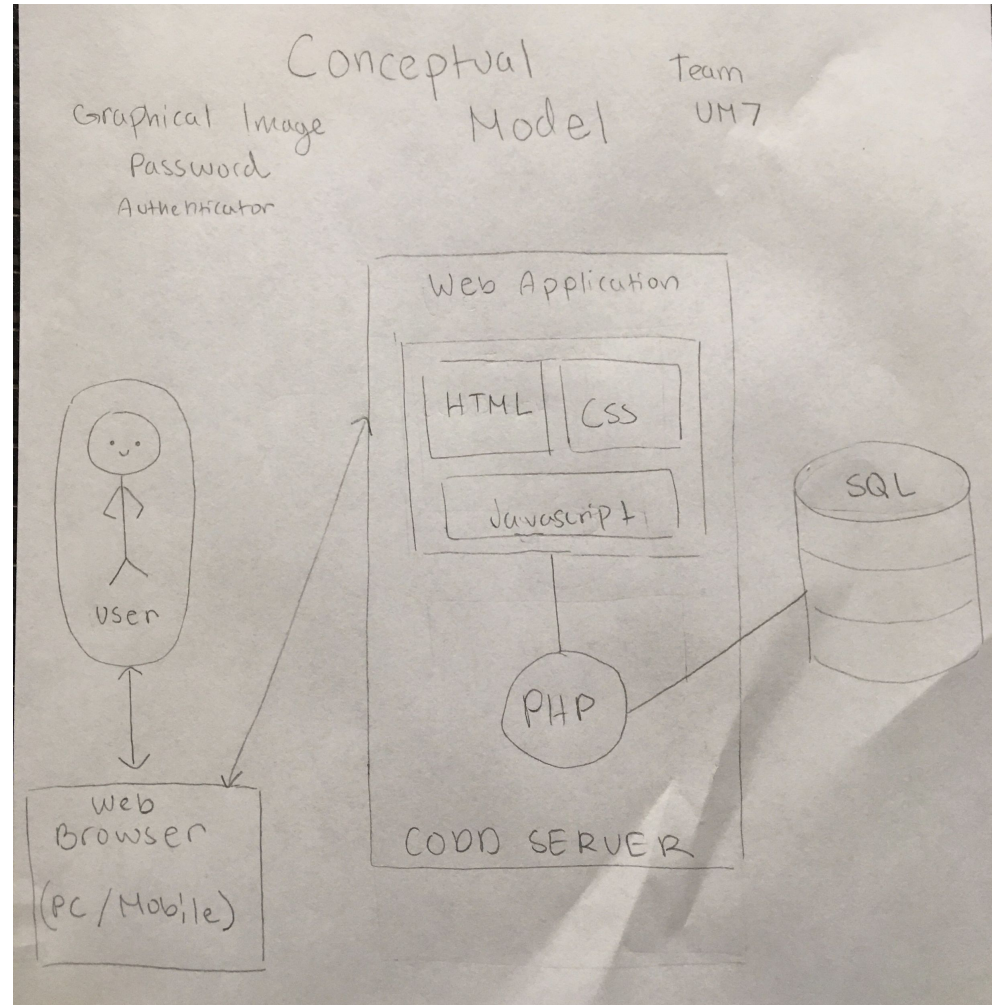
- Use PHP for queries, SQL for database, HTML, CSS and Javascript for user interface.
- Hosting on GSU Codd Server (supports PHP, HTML, SQL, so it's perfect)

Conceptual Model



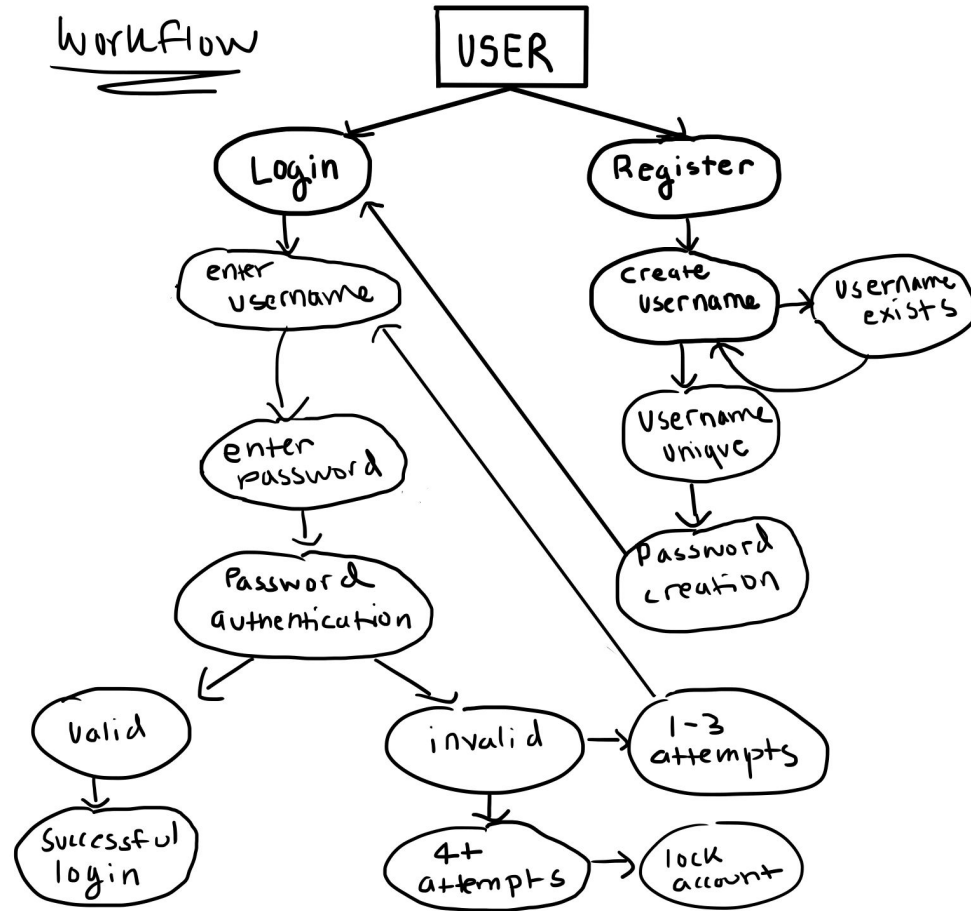


Conceptual Model





Workflow





Wireframe

Graphical Password Authenticator

Login

Register

This wireframe shows a login and registration interface. It features a central white rectangular area with a blue border. Inside this area, the text "Graphical Password Authenticator" is centered at the top. Below the text, there are two blue rectangular buttons stacked vertically, labeled "Login" and "Register".



Create Username:

Username goes here

Username is available!

Create Password

This wireframe shows a screen for creating a new username. It features a central white rectangular area with a blue border. Inside this area, the text "Create Username:" is centered at the top. Below the text, there is a white rectangular input field with the placeholder text "Username goes here". Below the input field, there is a green text message "Username is available!". At the bottom, there is a blue rectangular button labeled "Create Password".



Create Password

Animals

Confirm

50 x 50	50 x 50	50 x 50	50 x 50	50 x 50	50 x 50
50 x 50	50 x 50	50 x 50	50 x 50	50 x 50	50 x 50
50 x 50	50 x 50	50 x 50	50 x 50	50 x 50	50 x 50

50 x 50

50 x 50

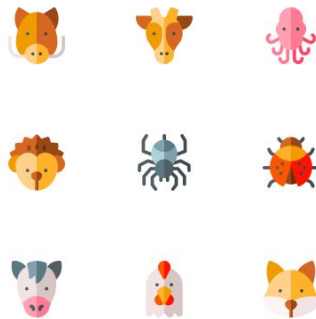


Enter Username:

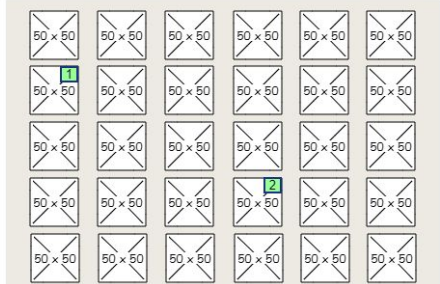
Username goes here

Username is available!

Enter Password



Enter Password



Enter Password





Enter Password

50 x 50	50 x 50	50 x 50	50 x 50	50 x 50	50 x 50
50 x 50	1	50 x 50	50 x 50	50 x 50	50 x 50
50 x 50	50 x 50	50 x 50	50 x 50	50 x 50	50 x 50
50 x 50	50 x 50	50 x 50	2	50 x 50	50 x 50
50 x 50	3	50 x 50	50 x 50	50 x 50	5

Incorrect Password!

1	2	3	4	5
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ZenHub Epics





Product Research and Conceptualization

SWE UM7 Image Password > ugo-n/swe-um7-image-password#7 > Product Research and Conceptualization

Switch between related Workspaces to see the progress of your Epics and Dependencies. See related Workspaces

thomadeus
opened this Issue on Feb 7, 2021

Close Issue Edit Issue

Open Epic

Product Research and Conceptualization #7

Conceptualizing our "product"

Intended target users? (who's it for and who can use it?)

What does our product do?

How does it achieve it's purpose?

Products features/components?

- Determine components of our product

Product Research and Conceptualization has no Dependencies

Add Dependency

Pipelines

S SWE UM7 Image Password

In Progress

Click the pin icon to assign high priority status. Once pinned, a high priority badge is applied in the Issue and it's placed at the top of the pipeline in the Board.

Labels

Epic

Assignees

- thomadeus
- nhoque2
- Ntatgenhorst
- RafaanAhsan
- EuniceOlorunshola

The overall purpose of this entire sprint, includes all the epics and issues concerned within Sprint 1.

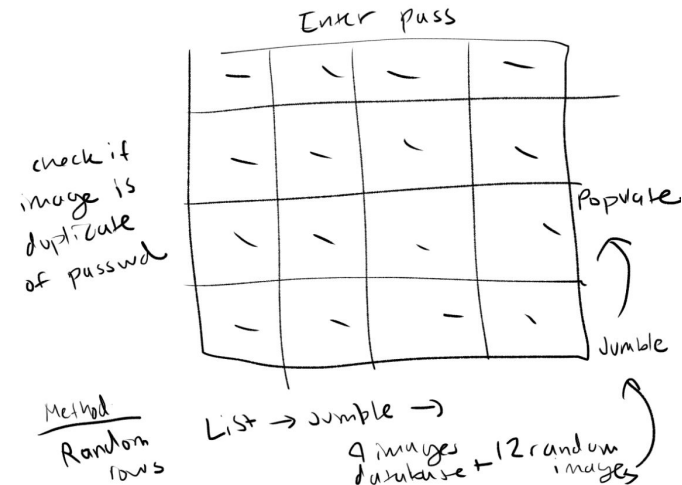
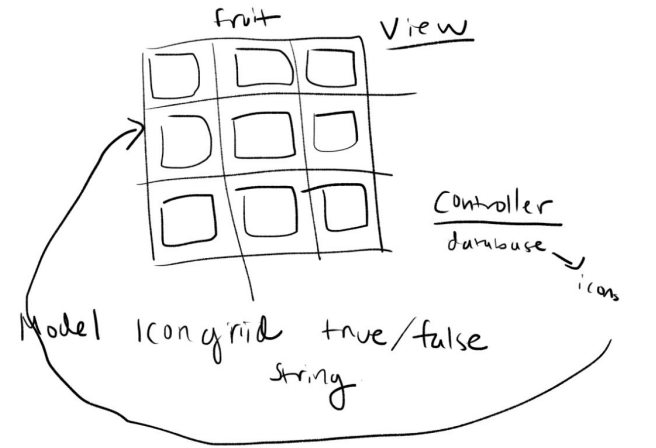
We focused on figuring out the basics for our product.



Conceptual Model

Issues:

- Create Conceptual Model
- Create Workflow Diagram
- Create Wireframe
- Drafting User Interface





Database Usage

Issues:

- Cloud Storage
- Hosting Platform
- Draft SQL Tables

user_account		
id	int	PK
user_name	varchar(100)	
email	varchar(254)	
password	varchar(200)	
password_salt	varchar(50)	N
password_hash_algorithm	varchar(50)	



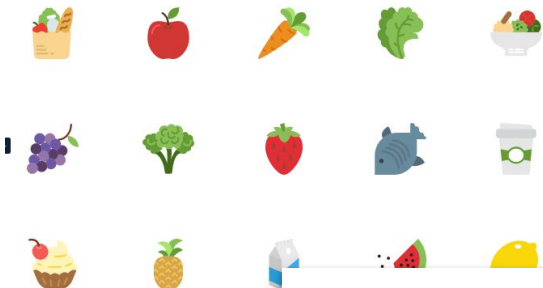
Graphical Password Specifications

Procure Password Image Assets

Determine/Define Password Image feature

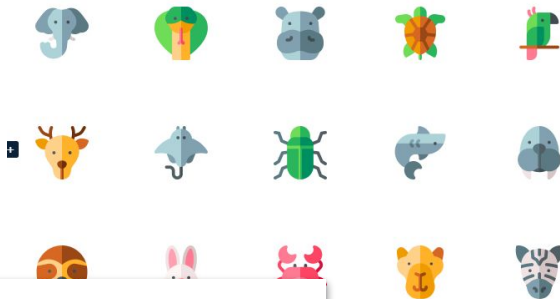
Gastronomy Set Icon Pack 230 ICONS

Fill Lineal Flat



Animals Icon Pack 50 ICONS

Filled Lineal Flat



From flaticon.com under Flaticon license



swe-um7-image-password #14
Procure Password Image Assets



Sprint 1



Graphical Password Specifications

3



swe-um7-image-password #6
Determine/Define Password
Image feature



Sprint 1



Graphical Password Specifications
Product Research and Conceptua...
Database Usage

10



Technologies Used


Issues:

- Determine Product Platform
- Email CSCIT for access to the CODD Server




Presentation Preparation

- Create Slides Presentation
- Rehearse Presentation for correct timing


 swe-um7-image-password #16
+5 Presentation Preparation
📅 Sprint 1
📖 Product Research and Conceptua...

Remove Epic filter ✕

0 Epic

 swe-um7-image-password #18
+3 Format Slides for Presentation
📅 Sprint 1
📖 Presentation Preparation

5

 swe-um7-image-password #17
+3 Reach optimal presentation time (10-16 minutes) in rehearsal
📅 Sprint 1
📖 Presentation Preparation

8

Burndown Chart Analysis






Due to our unfamiliarity of using ZenHub and learning how to create and assign Epics and Stories, our Burndown chart does not too closely match the Ideal Trend.

New Epics and Issues were at times created mid Sprint, leading to the actual trend looking rather blocky in shape. Some issues/epics are still in progress, so the trend does not reach its end point.

We used weight for our Estimate--ranked our issues based on how how important and essential we thought they were.

Sprint 1



Start **Feb 6, 2021** [Change](#) Due by **Feb 25, 2021** - Due today [Change](#)

 Labels ▾

 Hide Pull Requests

 Done ▾

Burndown report

 Export to CSV 

☐ Weekends

 Ideal

 Completed



Story Points

81%

Completed	Remaining	Total
62	15	77

Issues and Pull Requests

75%

Completed	Remaining	Total
15	5	20



Remaining Issues and Pull Requests

Story points



Database Usage Epic

swe-um7-image-password #1 - 000 In Progress ↗ Sprint 1

0



Cloud Storage

swe-um7-image-password #3 - 000 Sprint Backlog ↗ Sprint 1

5



Determine DB Attributes

swe-um7-image-password #5 - 000 Sprint Backlog ↗ Sprint 1

5



Product Research and Conceptualizaiton Epic

swe-um7-image-password #7 - 000 In Progress ↗ Sprint 1

Not estimated



Draft SQL tables for user and password information

swe-um7-image-password #19 - 000 Sprint Backlog ↗ Sprint 1

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Risks





- Scheduling has been difficult
- Choosing which platform to develop on (Android to Web)
- Security Risks/Password Hashing
- User Interface/Workflow (Readability/Accessibility)



- Underestimating programming difficulty
- Overestimating Programming abilities
- Database (Very important, still not solid)

End of Sprint 1

