

Deliverable 4 Presentation

Product Backlog

Priority 2 Customization

(7) As Ella, I want to add a customized reward, that I wrote myself, to my collection of customized rewards on a dedicated customization page.

Priority 2 Customization

(5) As Ella, I want to remove a customized reward, that I wrote myself, from my collection of customized rewards on a dedicated customization page.

Priority 2 Customization

(5) As Ella, I want to add a customized reward, that I wrote myself, to my restaurant game board.

Priority 2 Customization

(6) As Ella, a restaurant owner, I want to view all customized rewards, that I wrote myself, on a dedicated customization page.

Priority 3 Verification

(10) As Bob, I want to see a QR code for any goal, so that I can show it to a restaurant for verification.

Priority 3 Verification

(10) As Ella, I want to verify that a customer has completed a singular goal by entering a QR Code.

Priority 3 Verification

(10) As Ella, I want to verify that a reward has been redeemed by entering a QR Code.

Priority 3 Goals

(5) As Kelly, I want to see that I have completed a goal by having the image on the goal box turn into a green checkmark on the restaurant game board.

Rewards Priority 3

(7) As Kelly, I want to unlock a reward, by having the image on the reward box change to a star, after completing five goals in any direction from the bingo game board page.

Rewards Priority 4

(5) As Charity, I want to see when a reward has been redeemed, by having the image on the reward box change to a blue box, on the game board interface.

Rewards Priority 4

(7) As Bob, I want an interface to view all the active and un-redeemed rewards that I have earned per restaurant.

Rewards Priority 4

(5) As Bob, I want an interface to view all the redeemed rewards that I have earned per restaurant.

Priority 5 Expiration Date

(7) As Ella, a restaurant owner, I want to set an expiry date on my game board so that I can make updates later on.

Priority 5 Expiration Date

(7) As Ella, a restaurant owner, I want to plan the future game board so that the new game board will replace the old game board when the expiration date has passed.

Priority 5 Expiration Date

(7) As Ella, a restaurant owner, I want my expired game board to be replaced by my future game board when the expiration date has passed.

View Profile Priority 5

(5) As Charity, I want to view a restaurant's profile, including restaurant name, category, description, phone number, picture, and location, so I can learn more about a restaurant.

Account Priority 5

(5) As Kelly, a customer, I want to "favourite" a restaurant profile from the list of restaurants.

Account Priority 5

(5) As Kelly, a customer, I want to view my "favourite" restaurant profiles on an interface.

Priority 6 Competition

(7) As Kelly, I want to add friends to my profile by entering their username to my profile.

Priority 6 Competition

(7) As Kelly, I want to see how many rewards I have earned in total in comparison to my friends on a dedicated profile interface.

Priority 1 Goals

(2) As Victor, I want a pre-made selection of goals to for my restaurant profile.

📁 2/2

Priority 1 Goals

(29) As a restaurant owner, I want an interface that allows me to add goals on my restaurant game board from a pre-defined list of goals.

📁 10/10

Priority 1 Goals

(3) As Victor, I want to clear the goals from my game board interface so that I can re-select them.

📁 3/3

View Profile Priority 1

(7) As a Charity, a customer, I want to view a game board for a specific restaurant so that I can see what goals I can complete and what rewards I can achieve.

📁 5/5

View Profile Priority 1

(7) As Victor, a restaurant owner, I want to view my profile for my restaurant so that I can see restaurant name, location, phone number, description, category, and picture.

📁 5/5

Account Priority 1

(9) As Victor, a restaurant owner, I want to create an account to store my restaurant profile by entering a username, password, and my name.

📁 1 📁 6/6

Account Priority 1

(9) As Bob, a customer, I want to create an account to store my user profile by entering a username, password, and my name.

📁 1 📁 6/6

Account Priority 1

(9) As Victor, a restaurant owner, I want to login to an account that stores my restaurant profile by entering my username and password.

📁 6/6

Account Priority 1

(9) As Bob, a customer, I want to login to an account that stores my user profile by entering my username and password.

📁 6/6

View Profile Priority 1

(7) As Kelly, I want an interface that displays restaurants that have bingo boards so that I can choose a game board associated with a restaurant.

📁 5/5

Rewards Priority 1

(7) As Victor, a restaurant owner, I want an interface for choosing rewards that surround my bingo board.

📁 5/5

Account Priority 1

(7) As Ella, a restaurant owner, I want to edit my restaurant profile with my restaurant name, description, category, location, picture, and phone number.

📁 5/5

Priority 2 Customization

(6.5) As Ella, I want to add a customized goal, that I write myself, to my collection of customized goals on a dedicated customization page.

📁 6/6

Priority 2 Customization

(4.5) As Ella, I want to remove a customized goal, that I wrote myself, from my collection of customized goals on a dedicated customization page.

📁 4/4

Priority 2 Customization

(5) As Ella, I want to add a customized goal, that I wrote myself, to my restaurant game board so that I can promote seasonal dishes.

📁 4/4

Priority 2 Customization

(6) As Ella, a restaurant owner, I want to view all customized goals, that I wrote myself, on a dedicated customization page.

📁 5/5

Product Backlog

- Updated Categories (In decreasing priority)
 1. **Goals**
Adding/Selecting on board
 2. **Account**
Account Creation / Login
 3. **View Profile**
Viewing restaurant profile data
 4. **Customization**
Customizing lists of goals & rewards
 5. **Verification**
Verify customer goals / rewards
 6. **Rewards**
View reward status
 7. **Expiration Date**
Allow owners to update board
 8. **Competition**
Compare progress with friends

Sprint Backlog

- Select stories based on priority
- Split story into tasks
- Create acceptance criteria
- Assign tasks to team members

(6.5) As Ella, I want to add a customized goal, that I write myself, to my collection of customized goals on a dedicated customization page.

in list [Completed Work](#)

LABELS

Priority 2

Customization

+

≡

Description

Edit

Given that Ella wants to add a customized goal on a dedicated customization page,
when she navigates to the customization page,
then she will have the option to add a custom goal.

Given that Ella adds a unique customized goal on a dedicated customization page,
when she clicks the add button,
then the goal will be added to her collection of customized goals in the database.

Given that Ella adds a customized goal that is already in her collection on a dedicated customization page,
when she clicks the add button,
then the goal will not be added to her collection of customized goals in the database.

☒ Checklist

Delete

0%

☐ (1) Mockup for choosing rewards {AC, JJ, JS, TH, TJ}

☐ (0.5) Frontend implementation based on mockup {TH}

☐ (2) Python backend to add a customized goal {JJ}

☐ (1) Peer review {TH}

☐ (1) Unit Tests {JJ}

☐ (1) Front end test cases {TH}

Add an item

SUGGESTED

Join

Feedback

ADD TO CARD

Members

Labels

Checklist

Due Date

Attachment

Cover

POWER-UPS

Butler Tip (1)

Get More Power-U

Get unlimited Power-Ups much more.

Upgrade Team

ACTIONS

→ Move

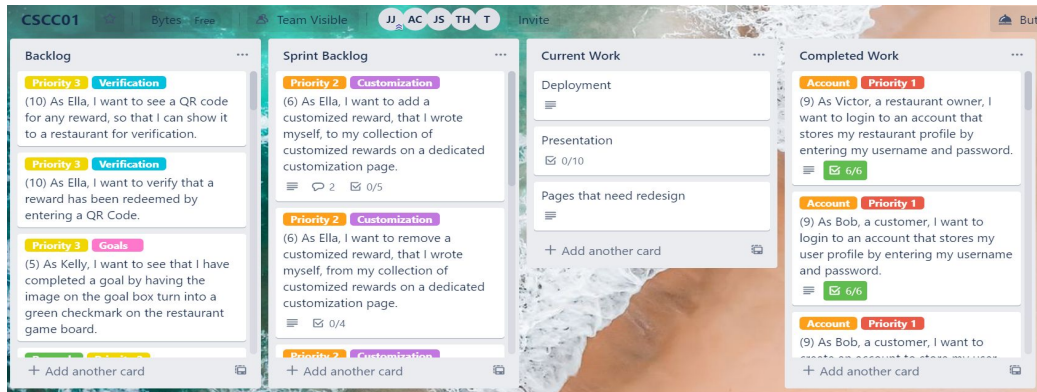
Copy

Make Template

Watch

Task Board Usage

- Trello is used for visual representation



(6) As Ella, I want to add a customized reward, that I wrote myself, to my collection of customized rewards on a dedicated customization page.

in list [Sprint Backlog](#)

LABELS

Priority 2 Customization +

Description Edit

Given that Ella wants to add a customized reward on a dedicated customization page,
when she navigates to the customization page,
then she will have the option to add a custom reward.

Given that Ella adds a unique customized reward on a dedicated customization page,
when she clicks the add button,
then the reward will be added to her collection of customized rewards in the database.

Given that Ella adds a customized reward that is already in her collection of rewards or the premade collection of rewards on a dedicated customization page,
when she clicks the add button,
then the reward will not be added to her collection of customized rewards in the database and an error message will pop up.

Tasks

0%

- ☐ (2) Python backend to add a customized goal to the game board (JJ)
- ☐ (1) Peer review (JS)
- ☐ (1) Test cases (JJ)
- ☐ (1) Unit Tests (JJ)
- ☐ (1) Frontend implementation (JJ)

SUGGESTED

Join Feedback

ADD TO CARD

Members Labels Checklist Due Date Attachment Cover

POWER-UPS

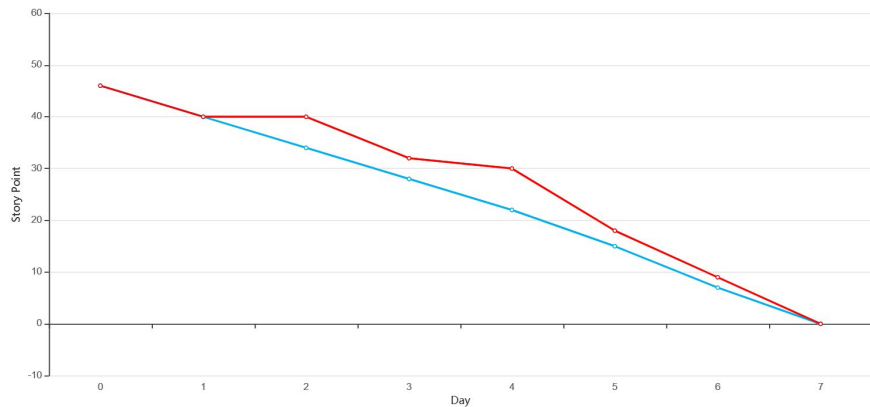
Get Power-Ups much more. Upgrade Team

ACTIONS

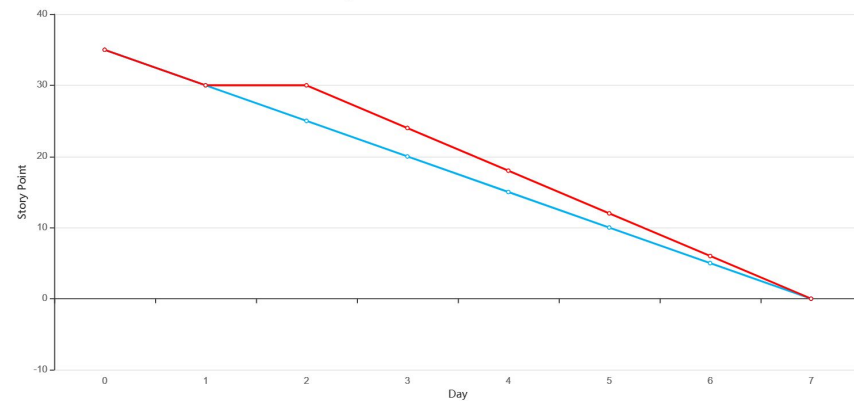
Move Copy Make Template Watch

Burndown Chart Usage

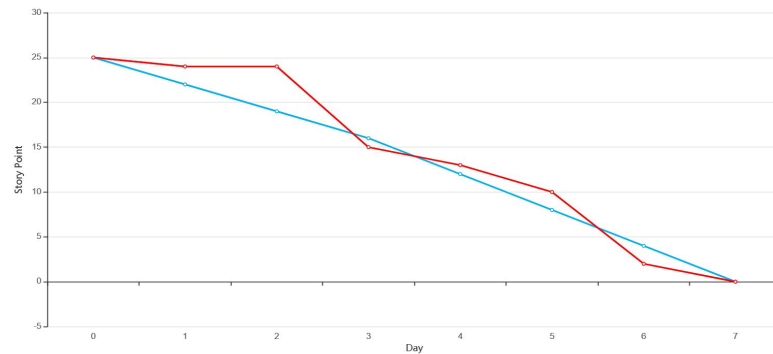
Sprint 2 Final Burndown Chart



Sprint 3 Final Burndown Chart



Sprint 4 Final Burndown Chart



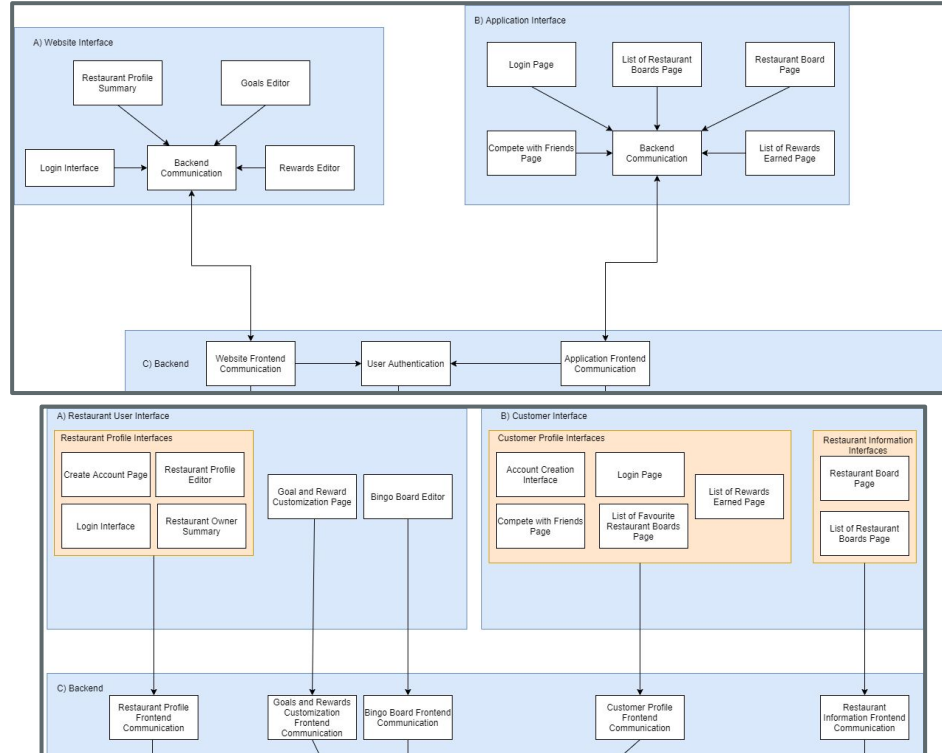
Git Repo Usage and Code Reviews

- Used branches when writing code
- Created test cases / unit tests for each merge to master branch
- Code Reviews
 - Text Files
 - Pull Requests
 - Allowed more maintainable code and better interfaces

<input type="checkbox"/>	0 Open ✓ 13 Closed	Author ▾	Label ▾	Projects ▾	Milestones ▾	Reviews ▾	Assignee ▾	Sort ▾
<input type="checkbox"/>	Deliverable4 bugfixes #13 by tijang was merged yesterday							1
<input type="checkbox"/>	Add custom goals to board #12 by junaidsyedali was merged 2 days ago • Approved							6
<input type="checkbox"/>	Board Editor Redesign #11 by tahmid-haque was merged 2 days ago • Approved							3
<input type="checkbox"/>	Goal customization interface #10 by tahmid-haque was merged 2 days ago							1
<input type="checkbox"/>	Remove custom goal #9 by tijang was merged 2 days ago • Approved							7
<input type="checkbox"/>	Add custom goal #8 by jodijang was merged 2 days ago • Approved							8
<input type="checkbox"/>	View custom goal (Backend) #7 by aarenchu was merged 2 days ago • Approved							2
<input type="checkbox"/>	Merge Interfaces #6 by tahmid-haque was merged 7 days ago							1
<input type="checkbox"/>	Customer view one board #5 by junaidsyedali was merged 8 days ago							1
<input type="checkbox"/>	Restaurant rewards #4 by tijang was merged 8 days ago • Changes requested							2
<input type="checkbox"/>	Customer view profiles #3 by jodijang was merged 8 days ago • Approved							12
<input type="checkbox"/>	View profile interface #2 by aarenchu was merged 8 days ago							2
<input type="checkbox"/>	Edit Restaurant Profile Interface #1 by tahmid-haque was merged 8 days ago • Approved							3

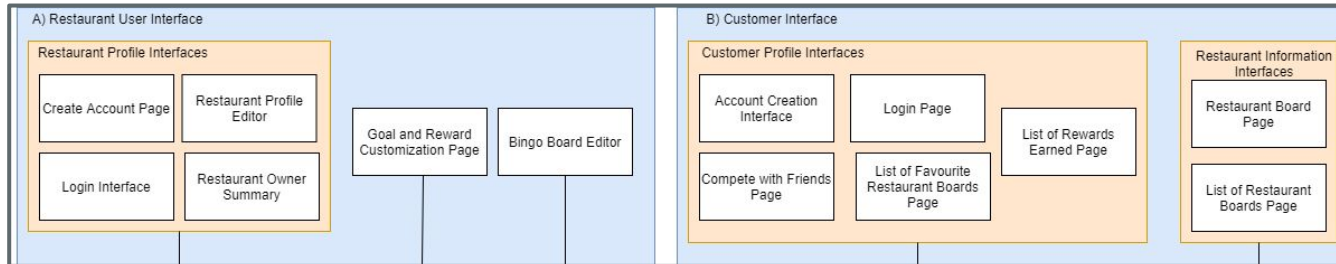
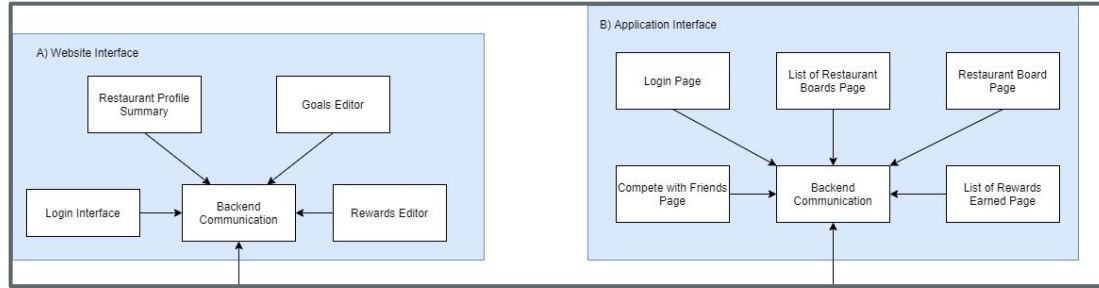
Updated System Design

- Decoupled Components



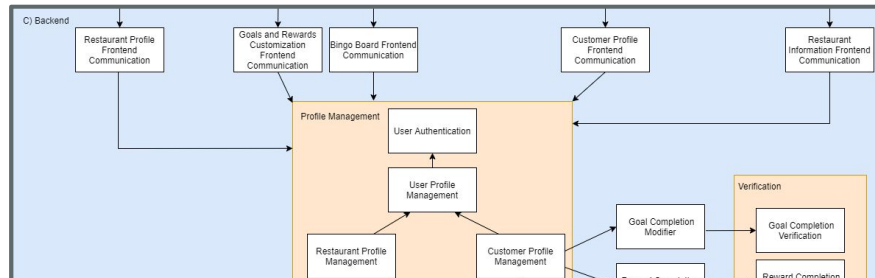
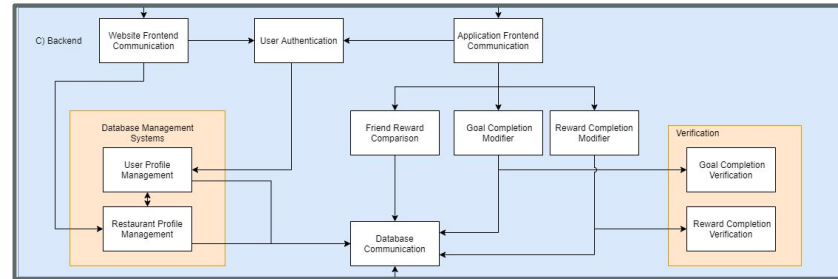
Updated System Design

- New Subcomponents and Name Changes



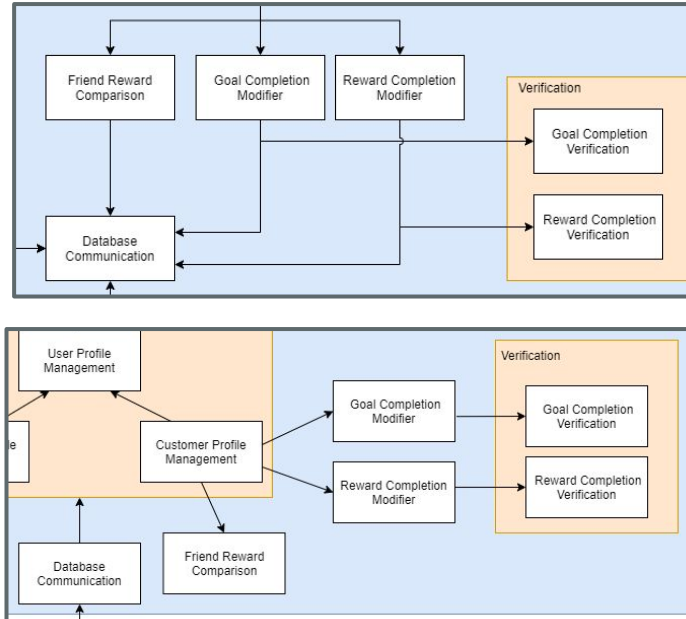
Updated System Design

- User Authentication under Profile Management
- New Backend components connected to Profile Management
- Inheritance



Updated System Design

- Friend Reward Comparison, Goal Completion Modifier, Reward Completion Modifier Indirectly related to Database Communication



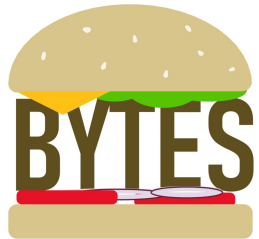
Verification Process and Results

Process

- Test Cases (Front End)
- Unit Tests (Back End)
- Peer Reviews
- Unofficial Self-Walkthroughs

Results

- Test Cases and Unit Tests all pass
- Current release is functioning well



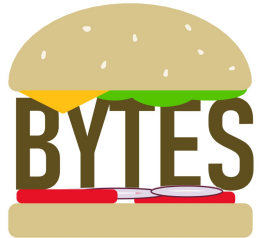
Validation Process and Results

Validation Process

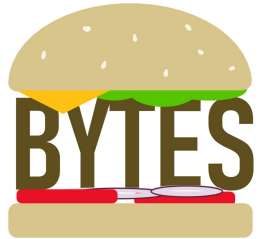
- Acceptance testing
- Asking questions
- Demoing our Work

Results:

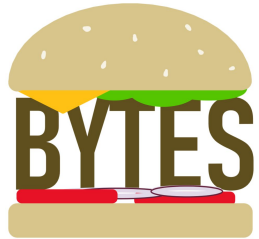
- QR codes for future sprints
- Better design for CSS



Demo of Latest Release



Questions?



Thank you for listening!

