

User story #1	Reserve a food item
User story description	As a BU student, I want to be able to reserve a specific food item at an event, So that I can ensure I get food I want and organizers know how much to prepare.
Additional Detail	Reservations must display dietary information so students can make safe and informed choices. Users should also be able to cancel reservations. There can also be a maximum amount a student can reserve
Acceptance Criteria	<p>Scenario: Reserving a food item</p> <ul style="list-style-type: none"> - Given I am a BU student - And I am viewing the event's food list - When I click the "Reserve" button for a food item - Then my name is added to the reservation list - And the available quantity for that item decreases by one <p>Scenario: Cancelling a reservation</p> <ul style="list-style-type: none"> - Given I am a BU student who reserved food - When I click the "Cancel reservation" button - Then my name is removed from the reservation list - Available quantity for that item increases by one
Priority	<ul style="list-style-type: none"> - High because this enables students to secure food in advance and helps organizers plan quantities accurately
Checklist	<ul style="list-style-type: none"> <input type="checkbox"/> Independent: can be built as its own feature separate from event creation <input type="checkbox"/> Valuable: core functionality for reducing food waste and ensuring fairness <input type="checkbox"/> Testable: Reservation list updates and can be validated in both database and UI <input type="checkbox"/> Estimable: Straightforward operation with frontend and backend integration
Associated tasks	1. Design frontend UI for

	reserving/cancelling food items 2. Build backend reservation API and database schema to track users and items 3. Ensure reservation changes (add/remove) sync correctly with event data 4. Add validation (max reservations, no duplicate reservations) 5. Write unit and integration tests
Task assignments	- Will be determined once teams are assigned

User story #2	Create an event
User story description	As a BU event organizer, I want to be able to create, edit, and manage food events, So that students can easily see accurate event information and attend.
Additional Detail	Organizers must provide essential details: event title, description, date/time, location (with google maps API), food options (with dietary information), and attendee capacity. Events should also support recurring scheduling if needed
Acceptance Criteria	Scenario: creating an event <ul style="list-style-type: none"> - Given I am a verified BU event organizer - When I complete the event creation form (title, time, food details, location) and click "Create event" - Then the event is published and visible to students in the listing Scenario: Editing an event <ul style="list-style-type: none"> - Given I am a verified BU event organizer - When I open the event and click "edit" - Then I can update details (time, food,

	<p>capacity)</p> <ul style="list-style-type: none"> - And changes are reflected in the listing <p>Scenario: Scheduling recurring events</p> <ul style="list-style-type: none"> - Given I am a verified BU event organizer - When I select a recurring option (weekly, monthly) - Then the system automatically generates repeat events with the same details <p>Scenario: cancelling and event</p> <ul style="list-style-type: none"> - Given I am a verified BU event organizer - When I click “cancel event” - Then the event is removed from the listings - All attendees receive a cancellation notification
Priority	<ul style="list-style-type: none"> - High because without event creation, no food opportunities exist for students
Checklist	<ul style="list-style-type: none"> <input type="checkbox"/> Independent: core event module that works with other features <input type="checkbox"/> Valuable: enables organizers to share food opportunities <input type="checkbox"/> Testable: can verify event creation, editing, recurrence, and cancellation <input type="checkbox"/> Estimable: standard event with notification integration
Associated tasks	<ol style="list-style-type: none"> 1. Create frontend UI for event creation, editing, and cancellation 2. Build backend APIs and database schema for storing events and attendees 3. Integrate Google Maps API for event locations 4. Implement recurring event scheduling logic 5. Add backend triggers to notify attendees on event edits or cancellations 6. Test event lifecycle (create, edit, recurring, cancel)
Task assignments	<ul style="list-style-type: none"> - Completed later when teams are assigned

User story #3	View available events
User story description	As a BU student, I want to be able to view a list of available food events with details, So that I know when and where free food is available on campus.
Additional Detail	Even listings should include: event name, organizer, time/date, location (with maps), available food, and dietary information
Acceptance Criteria	<p>Scenario: Viewing events</p> <ul style="list-style-type: none"> - Given I am a BU student - When I open the app's homepage - Then I see a list of upcoming and ongoing food events with details <p>Scenario: Filtering events</p> <ul style="list-style-type: none"> - Given I am a BU student - When I select filters (location, dietary preference, date) - Then only matching events are displayed
Priority	- High because students must be able to see available food opportunities
Checklist	<input type="checkbox"/> Independent: can be built as its own feature separate from event creation or reservations <input type="checkbox"/> Valuable: this is the main view for the app <input type="checkbox"/> Testable: through validation of event list <input type="checkbox"/> Estimable: standard listing
Associated tasks	<ol style="list-style-type: none"> 1. Build backend API to fetch events from database 2. Create frontend event list component 3. Add filtering and search options 4. Test with sample events
Task assignments	- Will be determined once teams are assigned

User story #4	Receive Notifications
User story description	As a BU student, I want to receive notifications when new food events are posted, So that I don't miss opportunities to get free food
Additional Detail	Notifications should be available as in-app alerts and optional push notifications
Acceptance Criteria	<p>Scenario: New event posted</p> <ul style="list-style-type: none"> - Given a new event is published - When notifications are enabled - Then I receive a notification about event details <p>Scenario: Opting out of notifications</p> <ul style="list-style-type: none"> - Given I am a BU student - When I disable notifications in my settings - Then I no longer receive alerts
Priority	<ul style="list-style-type: none"> - High because this enables students to secure food in advance and helps organizers plan quantities accurately
Checklist	<ul style="list-style-type: none"> <input type="checkbox"/> Dependent on event posting <input type="checkbox"/> Valuable for driving student participation <input type="checkbox"/> Testable with mock notifications <input type="checkbox"/> Estimable using push notification libraries
Associated tasks	<ol style="list-style-type: none"> 1. Add notification preferences to student profile 2. Implement backend triggers to send notifications when events are created. 3. Integrate push notification service 4. Test notification delivery and opt-out
Task assignments	<ul style="list-style-type: none"> - Will be determined once teams are assigned

User story #5	Manager user profile
User story description	As a BU student, I want to manage my profile (dietary preferences, notification settings), so that my experience is personalized.
Additional Detail	Profile should include name, BU email, dietary preferences, and notification settings
Acceptance Criteria	<p>Scenario: Updating preferences</p> <ul style="list-style-type: none"> - Given I am a BU student and logged in - When I edit my profile and save - Then my new settings are stored and applied across the app <p>Scenario: Default settings</p> <ul style="list-style-type: none"> - Given I am new user - When I first log in - Then default preferences are applied and can be changed if needed
Priority	<ul style="list-style-type: none"> - Medium because it enhances personalization but not required for the basic use of the pap
Checklist	<ul style="list-style-type: none"> <input type="checkbox"/> Independent: connects a little to reservations/notifications but not necessary for it to work <input type="checkbox"/> Valuable: for inclusivity and customization <input type="checkbox"/> Testable: can check profile edit flow <input type="checkbox"/> Estimable: Use create, read ,update, delete function for this
Associated tasks	<ol style="list-style-type: none"> 1. Design profile UI with editable fields 2. Build backend API for updating preferences 3. Link preferences with event filtering/notifications 4. Test profile updates and persistence
Task assignments	<ul style="list-style-type: none"> - Will be determined once teams are assigned

User story #6	Event Expiration
User story description	As a BU student, I want expired events to be automatically removed from the listings, So I can only see events that are still able to be attended
Additional Detail	Events should expire after their scheduled end time or when organizers mark foods as unavailable
Acceptance Criteria	<p>Scenario: Time-based expiration</p> <ul style="list-style-type: none"> - Given an event has ended - When I refresh the listings - Then the event no longer appears <p>Scenario: Manual expiration</p> <ul style="list-style-type: none"> - Given I am an event organizer - When I mark the event as closed - The event disappears from listings
Priority	- High because it prevents students from wasting time on outdated events
Checklist	<input type="checkbox"/> Dependent on event creation <input type="checkbox"/> Valuable for accurate listings <input type="checkbox"/> Testable with time based and manual expiration <input type="checkbox"/> Estimable with flags and jobs
Associated tasks	<ol style="list-style-type: none"> 1. Add expiration field to event schema 2. Implement backend logic to auto-remove expired events 3. Test expiration functionality
Task assignments	- Will be determined once teams are assigned

User story #7	Secure access authentication
User story description	As a BU student, I want to log in with my BU credentials, So that only BU-affiliated users can access

	Spark!Bytes
Additional Detail	Authentication should use BU SSO/Duo/kerberos login to validate users
Acceptance Criteria	<p>Scenario: Logging in successfully</p> <ul style="list-style-type: none"> - Given I enter valid BU credentials - When I log in - Then I am granted access to the system <p>Scenario: Failed login</p> <ul style="list-style-type: none"> - Given I enter invalid credentials - When I log in - Then I receive an error and cannot access the app
Priority	- High this is an important security requirement
Checklist	<input type="checkbox"/> Independent: can integrate it into all other flows <input type="checkbox"/> Valuable for restricting access to BU-only <input type="checkbox"/> Testable with valid/invalid credentials <input type="checkbox"/> Estimable with BU SSO libraries
Associated tasks	<ol style="list-style-type: none"> 1. Integrate BU SSO/Kerberos/Duo authentication system (I believe this is built into the BU email credentials when you use it to log in) 2. Restrict app access to authenticate users 3. Create error handling for failed logins 4. Test login with different cases
Task assignments	- Will be determined once teams are assigned

User story #8	Organizer analytics
User story description	<p>As an event organizer, I want to view how many students reserved food, So that I can track attendance and plan better for future events</p>

Additional Detail	Analytics dashboard should show number of reservations, cancellations, and peak food demand
Acceptance Criteria	<p>Scenario: Viewing Reservations</p> <ul style="list-style-type: none"> - Given I am an event organizer - When I open the event dashboard - Then I see the total reservations and cancellations for my event <p>Scenario: Exporting the data</p> <ul style="list-style-type: none"> - Given I am an event organizer - When I click export - I can download a CSV with event metrics
Priority	<ul style="list-style-type: none"> - Medium because it improved the event planning but not required for the use of the app
Checklist	<ul style="list-style-type: none"> <input type="checkbox"/> Dependent on reservation system <input type="checkbox"/> Valuable for organizers and reducing waste <input type="checkbox"/> Testable with data validation <input type="checkbox"/> Estimable with queries
Associated tasks	<ol style="list-style-type: none"> 1. Extend backend to track reservations/cancellations 2. Build organizer dashboard with metrics 3. Add CSV export function 4. Test analytics data accuracy
Task assignments	<ul style="list-style-type: none"> - Will be determined once teams are assigned