



Carnegie Mellon University

49-786 Software Engineering Management

LiteWait Team

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Milestone 2 - Sprint 2



LITEWAIT.

"DINE OUT. SMARTER."



SPRINT 2 TARGET - PRODUCT DELIVERABLES



TO BE DONE

[SPIKE]

LEARNINGS AND
PRESENTATION

[SPIKE]

SETUP ENVIRONMENT

SPLASH SCREEN

TABLE VIEW OF
RESTAURANTS

RESTAURANT PROFILE PAGE
WITH MAPS INTEGRATION

TABLE SORTING

WAITING TIME
DISPLAY

LOCATION BASED
WAITING TIME
UPDATE

HANDLING ERROR
USECASES

API INTEGRATION
GOOGLE PLACES
GOOGLE MATRIX



PROJECT TIMELINE AND PLAN

SEPT 27TH - OCT 10TH

[SPIKE] Setup tasks ...

Task: Connect firebase with backend

Task: Github Setup

Task: Dev Environment

[TSE] Learning and Presentation ...

Rough Draft

Content check in

Review and Practice Learning

Learn and PS

[EPIC] US1001 Splash Screen and APP Landing Page ...

US 1103 User Views Splash Screen

[EPIC] US1002 Homepage - View Nearby Restaurants and Corresponding Waiting Time ...

US 1105 User is able to view homepage - Table View of restaurants

0/12

[EPIC] US1005 User view restaurant page and view the restaurant details with current waiting time ...

US 1113 User is able to view restaurant page with restaurant name, with address, with location displayed

OCT 11TH - OCT 24TH

[EPIC] US1002 Homepage - View Nearby Restaurants and Corresponding Waiting Time ...

US 1107 User is able to view top 10 'nearby' restaurants using Google Places Integration

1

US 1108 User is able to view the waiting time of all the restaurants in the nearby restaurant list layout on home page.

[EPIC] US1005 User view restaurant page and view the restaurant details with current waiting time ...

US 1114 User is able to go back to home page from restaurant page.

[EPIC] US1006 User update waiting time if nearby and waiting time of restaurants updated ...

US 1115 User clicks update waiting time and system senses the current location of the user and shows error if not nearby

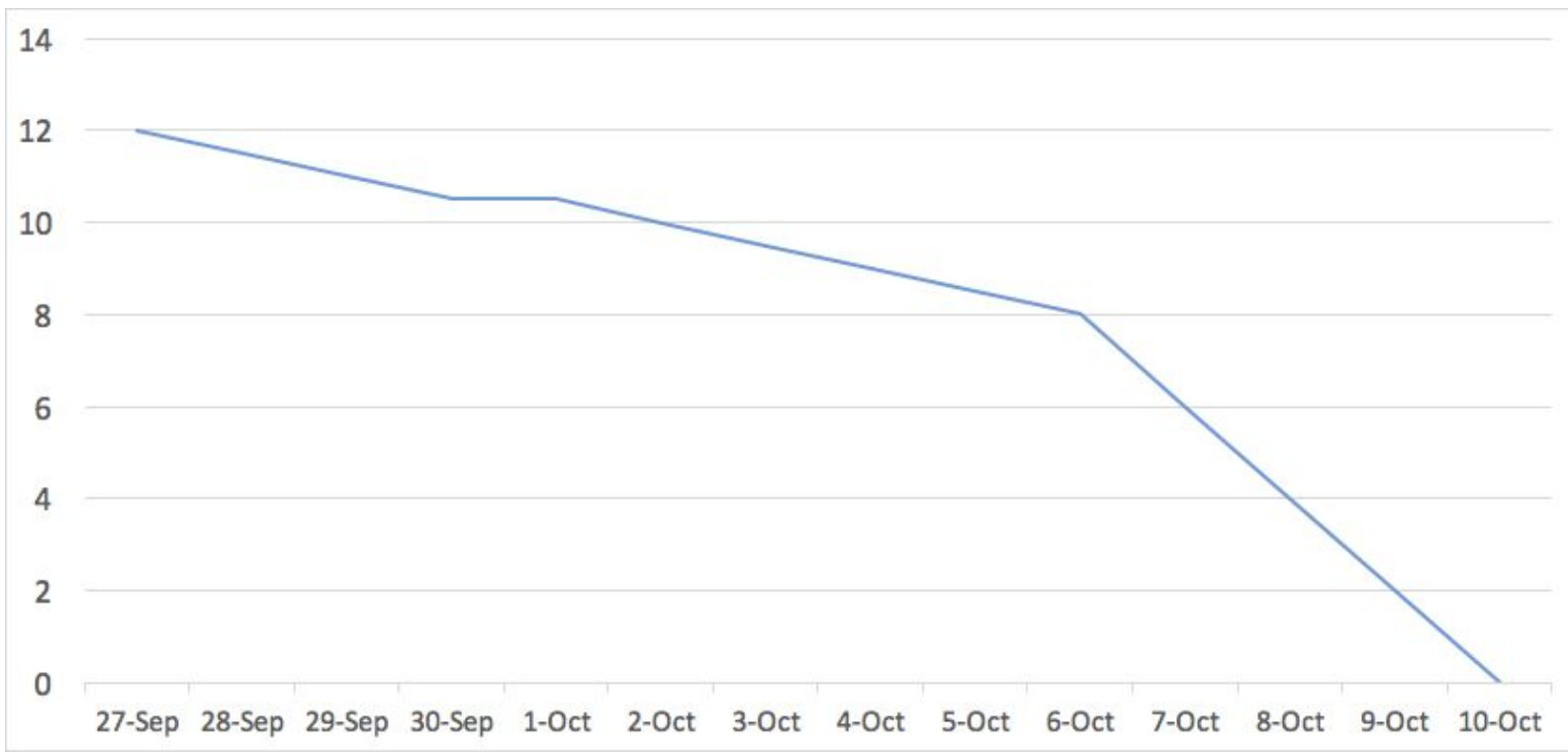
US 1116 If user is nearby, User is able to enter the waiting time and the waiting time of the restaurant is refreshed and displays calculated new waiting time

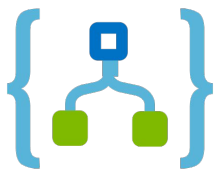


BURNDOWN CHART

SEPT 27TH - OCT 10TH

12 STORY POINTS





DB DESIGN - A CLOSER LOOK

Database: litewait-64010

Collection: <RestaurantName>

CurrentWaitingTime:

timeUpdated: <?>

waitTime: <?>

WeekdayDefault:

morning: waitTime: <?>

lunch: waitTime: <?>

afternoon: waitTime: <?>

dinner: waitTime: <?>

WeekendDefault:

morning: waitTime: <?>

lunch: waitTime: <?>

afternoon: waitTime: <?>

dinner: waitTime: <?>

address: <?>

cuisine: <?>

id: <?>

imageUrl: <?>

locationx: <?>

locationy: <?>

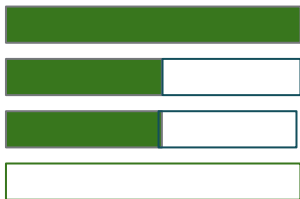
name: <?>



ARCHITECTURE DESIGN UPDATE FOR MVP



SWIFT



SPLASH PAGE
HOME PAGE
RESTAURANT PAGE
UPDATE WAIT TIME (SUB PAGE)

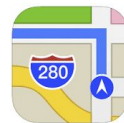


FIREBASE
BACKEND



RESTAURANT PROFILE
WAITING TIME
DEFAULT WAITING TIMES

DEPENDENCY INTEGRATION



APPLE MAPS



PLACES API
DISTANCE
MATRIX API



DEMO



LEARNINGS

&

RETROSPECTIVE



SWIFT BASICS



FIREBASE



SCRUM CEREMONIES



ENVIRONMENT AND
INTEGRATION ISSUES



RECOGNITION

YIZHONG AND JOE - OVER AND BEYOND



DONE WELL

TEAM DYNAMICS, TARGET ACHIEVED,
GOALS MET, LEARNINGS



TO GET BETTER

PLAN FOR BUFFER AND UNKNOWN
MANAGE TIME, TC HEALTH



"DINE OUT. SMARTER."

TRELLO AND Q n A