2019 Spring NGDS team

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About us

The team

2019 Spring team for NGDS v1.0

Isaac Reynaldo
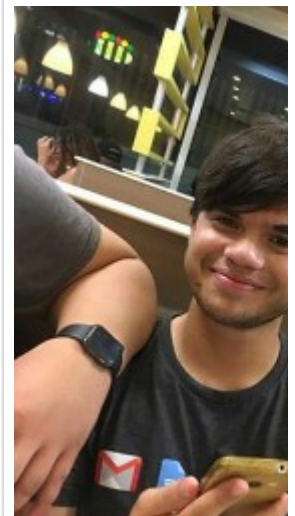
Luis Herrnsdorf

Gonzalo

Team Members

- **Developer 1**: Isaac Reynaldo, ireyn004@fiu.edu, (786) 583-3953, LinkedIn: https://www.linkedin.com/in/isaac-reynaldo-rodriguez/
- **Developer 2**: Miguel Hernsdorf, lherr058@fiu.edu
- **Developer 3**: Gonzalo Mera, gmera002@fiu.edu

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Create a blog post to share news and announcements with your team and company.

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- 20190426 - Sprint 7 Review
  10 minutes ago • updated by Isaac Reynaldo • view change

- 20190426 - Sprint 7 Retrospective
  11 minutes ago • updated by Isaac Reynaldo • view change

- 20190426 - Daily Scrum Meeting Minutes
  12 minutes ago • updated by Isaac Reynaldo • view change

- 20190425 - Daily Scrum Meeting Minutes
  13 minutes ago • updated by Isaac Reynaldo • view change

- 20190424 - Daily Scrum Meeting Minutes
  14 minutes ago • updated by Isaac Reynaldo • view change

- 20190423 - Daily Scrum Meeting Minutes
  14 minutes ago • updated by Isaac Reynaldo • view change

- 20190422 - Sprint 7 Checkpoint Meeting Minutes
  16 minutes ago • updated by Isaac Reynaldo • view change

- 20190422 - Daily Scrum Meeting Minutes
  17 minutes ago • updated by Isaac Reynaldo • view change

- 20190419 - Daily Scrum Meeting Minutes
  17 minutes ago • updated by Isaac Reynaldo • view change

- 20190418 - Daily Scrum Meeting Minutes
  18 minutes ago • updated by Isaac Reynaldo • view change

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Sprint 1

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20190122 : Sprint 1 Planning Meeting Minutes

20190122 : Sprint 1 Planning Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo

Start time: 9:00 PM

End time: 9:10 PM

After discussion, the velocity of the team were estimated to be 75.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story: Product Owner did not provide any user story so far.

The team members indicated their willingness to work on the following user stories.

- Luis: set up initial commit in Bitbucket, research about Postgresql, Express and Angular.
- Isaac: Research on key technologies decided for the project. Express.js, Angular and Postgress.
- Gonzalo: Research on express and angular.

20190123 - Daily Scrum Meeting Minutes

20190123 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo

Start time: 9:00 pm

End time: 9:15 pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Researched NDC API and ExpressJS.
- What is planned to be done until the next scrum meeting?
  - Work on the UI and have a working prototype.
- What are the hurdles?
  - Finding the right Technology for implementing the api.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Research about Postgresql, Angular.
- What is planned to be done until the next scrum meeting?
  - Read about NDC standard, work on installing and design db.
- What are the hurdles?
  - no hurdles.

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Research about express and angular
- What is planned to be done until the next scrum meeting?
  - Research about NDC and DB1B and more express and angular.
- What are the hurdles?
  - Np hurdles.

20190124 - Daily Scrum Meeting Minutes

20190124 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Read about NDC standard, work on installing and design db.
- What is planned to be done until the next scrum meeting?
  - Continue reading about NDC standard, work on installing and design db.
- What are the hurdles?
  - no hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Designed a prototype for the UI with Angular 7.
- What is planned to be done until the next scrum meeting?
  - Finish the basic design and think about the implementation for the back-end and UI interchange of information.
- What are the hurdles?
  - none

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Learning angular
- What is planned to be done until the next scrum meeting?
  - Read about NDC.
- What are the hurdles?
  - none

20190125 - Daily Scrum Meeting Minutes

20190125 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Read about NDC standard, worked on installing and design db.
- What is planned to be done until the next scrum meeting?
    - Continue reading about NDC standard, work on installing and design db.
- What are the hurdles?
    - no hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Used Angular Material to improve the first design.
    - Improved the date picker.
    - Implemented a list for getting dummy data of flights.
- What is planned to be done until the next scrum meeting?
    - Will finish the connection between angular/front-end express/back-end.
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Learn angular and express and read about NDC
- What is planned to be done until the next scrum meeting?
    - Be more familiar with Angular and investigate about NDC
- What are the hurdles?
    - None

20190128 - Daily Scrum Meeting Minutes

20190128 - Daily Scrum Meeting Minutes

Attendees:

Start time: 9:00pm

End time: 9:15pm

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Read about NDC standard, worked on design db, finished installing postgres server.
- What is planned to be done until the next scrum meeting?
    - Continue reading about NDC standard, work on design db.
- What are the hurdles?
    - no hurdles

Isaac :

- What was done since the last scrum meeting?
    - Connected the angular UI to the express back-end, with some hard-coded data.
- What is planned to be done until the next scrum meeting?
    - Will research more about NDC standard, and try to build the UI with routes instead of single paged.
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about NDC
- What is planned to be done until the next scrum meeting?
    - Learn more about express and research more about NDC
- What are the hurdles?
    - None

20190128 - Sprint 1 Checkpoint Meeting Minutes

20190128 - Sprint 1 Checkpoint Meeting Minutes

Attendees:

Start time: 9:15pm

End time: 9:30pm

The total hours put so far by all team members are 86 hours:

- Isaac Reynaldo: 24 hours
- Luis Herrnsdorf: 22 hours
- Gonzalo Mera: 20 hours

Status, completeness, and decision made for each user story:

- Isaac Reynaldo (NGDS-17)

    - Status: Done
    - Completeness: 100%
    - Decision: Decided to build the UI on angular 7 and build as many little features as I could, it took longer than the estimate time.
- Isaac Reynaldo (NGDS-23)

    - Status: In progress
    - Completeness: 40%
    - Decision: By using Express I've been able to connect to the UI with some dummy data.
- Luis Herrnsdorf (NGDS-19)

    - Status: Done
    - Completeness: 100%
    - Decision: As per project specification, I installed Postgresql. I decided to use a Linux server to host the db.
- Gonzalo Mera (NGDS-21)
    - Status: In Progress
    - Completeness: 10%
    - Decisions: Build an UI using angular 7

20190129 - Daily Scrum Meeting Minutes

20190129 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Since last scrum meeting I was able to separate the different functionalities of the UI to do usage of the routes in Angular.
    - Made express receive parameters from angular to be able to query through the different flights
    - Small optimizations.
- What is planned to be done until the next scrum meeting?
    - NDC research,
    - Connection of two different components in angular to share data.
- What are the hurdles?
    - none

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on db design and API design.
- What is planned to be done until the next scrum meeting?
  - Continue working on db and API design.
- What are the hurdles?
  - no hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about express.
- What is planned to be done until the next scrum meeting?
  - Research more express, NDC and angular.
- What are the hurdles?
  - no hurdles

20190130 - Daily Scrum Meeting Minutes

20190130 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Luis Herrnsdorf, Gonzalo Mera:

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Made use of routes.
  - Was able to send data from the front end to the back end to query through the flights available.
  - Fixed small details i the UI
- What is planned to be done until the next scrum meeting?
  - Research the NDC standard, and make the the back-end.
  - Query through the hard-coded data.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on db design and API design.
- What is planned to be done until the next scrum meeting?
  - Continue working on db and API design.
- What are the hurdles?
  - no hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about express.
- What is planned to be done until the next scrum meeting?
  - Research more express, NDC and angular.
- What are the hurdles?
  - no hurdles

20190131 - Daily Scrum Meeting Minutes

20190131 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo

Start time: 9:00 PM

End time: 9:15 PM

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on db design and API design.
- What is planned to be done until the next scrum meeting?
    - Continue working on db and API design.
- What are the hurdles?
    - no hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Built dome dummy data for filtering right flights during the dates chosen.
    - Started working on the filtering algorithm
- What is planned to be done until the next scrum meeting?
    - Finish the filtering of the data and have a working user story to show.
- What are the hurdles?
    - no hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about express and Angular.
- What is planned to be done until the next scrum meeting?
    - Research more express and NDC.
- What are the hurdles?
    - no hurdles

20190201 - Daily Scrum Meeting Minutes

20190201 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Worked on express to integrate dummy data into the project
    - Researched the NDC standard to get a better idea about next sprint
- What is planned to be done until the next scrum meeting?
    - Start second sprint.
    - Start implementing the NDC standard
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on db design and API design.
- What is planned to be done until the next scrum meeting?
    - Continue working on db and API design.
- What are the hurdles?
    - no hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about express.
- What is planned to be done until the next scrum meeting?
    - Research more express and Angular.
- What are the hurdles?
    - no hurdles

20190201 - Sprint 1 Retrospective

20190201 - Sprint 1 Retrospective Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:15pm

End time: 9:30pm

What went wrong?

- Did we do a good job estimating our team's velocity?
    - We did not estimate well the velocity, it wasn't so bad but we could have done it better.

- Did we do a good job estimating the points (time required) for each user story?
    - Some stories took longer than we first anticipated

- Did each team member work as scheduled?
    - Yes

What went right?

- We learned a lot about new technologies
- We became familiar with Jira.
- We had a working prototype.

How to address the issues in the next sprint?

- How to improve the process?
    - More team communication.
    - More communication with the Product Owner.

- How to improve the product?
    - Separate the tasks in a more understandable way.
    - We need more input from Product Owner for this.
    - Generate more users stories with smaller requests.

20190201 - Sprint 1 Review

20190201- Sprint 1 Review Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:30 PM

End time: 9:50 PM

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- User Story:
    - NGDS-7
    - NGDS-9
    - NGDS-11
    - NGDS-10
    - NGDS-12
    - NGDS-14

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- User Story NGDS-6
- User Story NGDS-13
- User Story NGDS-25

- User Story NGDS-16

Sprint 2

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20190206 : Sprint 2 Planning Meeting Minutes

20190206 : Sprint 2 Planning Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00 pm

End time: 9:15 pm

After discussion, the velocity of the team were estimated to be 120.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story:
  - NGDS-26
  - NGDS-27
  - NGDS-34
  - NGDS-35
  - NGDS-29
  - NGDS-30
  - NGDS-31
  - NGDS-32
  - NGDS-33

The team members indicated their willingness to work on the following user stories.

- Luis Herrnsdorf: NGDS-26 and NGDS-27
- Gonzalo Mera: NGDS - 34 and NGDS - 35
- Isaac Reynaldo: NGDS - 30, NGDS - 31, NGDS - 32, NGDS - 33, NGDS - 29

20190207 - Daily Scrum Meeting Minutes

20190207 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo,Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00 pm

End time: 9:15 pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Installed the new database system for the UI
  - Created models for Users and Flights.
  - Researched about best practices for database modeling, and improved on high level diagram.
- What is planned to be done until the next scrum meeting?
  - Finish most of NGDS-32, and create simple user accounts.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Create tables for airlines
- What is planned to be done until the next scrum meeting?
  - Keep working on the tables and data
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about NDC
- What is planned to be done until the next scrum meeting?
  - Research more about NDC
  - Work on the server for the On Service Manager.
- What are the hurdles?
  - No hurdles

20190208 - Daily Scrum Meeting Minutes

20190208 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Login json token per User.
  - User model for database improved.
  - UI reflection of Login credentials
- What is planned to be done until the next scrum meeting?
  - Finish first User Story of the sprint.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on the tables and data for airlines
- What is planned to be done until the next scrum meeting?
  - Keep working on the tables, data and NCD implementation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the data base for the aggregation service manager
- What is planned to be done until the next scrum meeting?
  - Research about NDC and express
- What are the hurdles?
  - No hurdles

20190211 - Daily Scrum Meeting Minutes

20190211 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Finished NGDS-32, Create User Account.
- What is planned to be done until the next scrum meeting?
    - Finish NGDS-33, Sign In functionality.
    - Create User Story Video for acceptance.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on the tables and data for airlines. Started implemeting NDC
- What is planned to be done until the next scrum meeting?
    - Keep working on the tables, data and NCD implementation
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Research about NDC and Express
    - Worked on the database for the aggregation services
- What is planned to be done until the next scrum meeting?
    - Research more about express
    - Work on the aggregation server.
- What are the hurdles?
    - No hurdles

20190212 - Daily Scrum Meeting Minutes

20190212 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
    - Keep working on the tables, data and NCD implementation
- What are the hurdles?
    - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Log In functionality implemented.
    - Video for User Story recorded
- What is planned to be done until the next scrum meeting?

- Edit Video for user story acceptance.
- Finish Log In User Story.
- What are the hurdles?
  - None

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server and database
- What is planned to be done until the next scrum meeting?
  - Keep working on the aggregated server
- What are the hurdles?
  - Having trouble connecting the database with the server.

20190212 - Sprint 2 Checkpoint Meeting Minutes

20190212 - Sprint 2 Checkpoint Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:15

End time: 9:30

The total hours put so far by all team members are :

- Isaac Reynaldo: 16 hours
- Luis Herrnsdorf: 16 hours
- Gonzalo Mera: 16 hours

Status, completeness, and decision made for each user story:

- Isaac Reynaldo

  - NGDS-32

    - Status: Done
    - Completeness: 100%
    - Decision: Video to be finished and edited.
  - INGDS-33

    - Status: Done
    - Completeness: 50%
    - Decision: Log In to be finished by tomorrow.

- Luis Herrnsdorf

  - Status: In Progress
  - Completeness: 60%
  - Decision: Continue with current user stories

- Gonzalo Mera

  - NGDS-34

    - Status: In Progress
    - Completeness: 30%
    - Decision: Continue with current user stories

- NGDS-35
    - Status: In Progress
    - Completeness: 30%
    - Decision: Continue with current user stories

20190213 - Daily Scrum Meeting Minutes

20190213 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
    - Keep working on the tables, data and NDC implementation
- What are the hurdles?
    - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Log In implemented fully.
    - Home page showing email logged in.
    - Route redirections when Login and Sign Up.
- What is planned to be done until the next scrum meeting?
    - Build UML diagrams.
    - Start implementation of Shopping Cart
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server and database
- What is planned to be done until the next scrum meeting?
    - Link the database and the server
- What are the hurdles?
    - Link the database and the server

20190214 - Daily Scrum Meeting Minutes

20190214 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Diagrams for Account creation.
    - Diagram for Shopping Cart.
    - Database installation for Shopping Cart.
- What is planned to be done until the next scrum meeting?
    - Database implementation for Shopping Cart.

- Next sprint meeting
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
  - Keep working on the tables, data and NDC implementation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server.
- What is planned to be done until the next scrum meeting?
  - Work on the database of the aggregated server.
- What are the hurdles?
  - Connecting to the database.

20190215 - Daily Scrum Meeting Minutes

20190215 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Fixed bug for signing up
  - Diagram creation for Services
  - Database model implementation for shopping cart
  - Planning meeting with business owner
- What is planned to be done until the next scrum meeting?
  - Finish NGDS-34 user story
  - Implement next sprint's user stories
- What are the hurdles?
  - Firewall was stopping my database to be accessed from my computer, but the bug was fixed.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
  - Keep working on the tables, data and NDC implementation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
  - Research about NDC diagram implementation.
- What are the hurdles?
  - Connect the server with the database.

20190215 - Sprint 2 Retrospective

20190215 - Sprint 2 Retrospective Meeting Minutes

Attendees: Isaac Reynaldo,Gonzalo Mera, Luis Herrnsdorf

Start time: 9:15pm

End time: 9:30pm

What went wrong?

- Did we do a good job estimating our team's velocity?
    - We had about 80% accuracy at estimating the velocity as two members of our team work full time face to face meetings have been slowing the velocity down.

- Did we do a good job estimating the points (time required) for each user story?
    - Yes, we did.

- Did each team member work as scheduled?
    - Yes.

What went right?

- The planning meeting was outstanding.
- Most user stories in the scope of the sprint were realized.
- We were able to meet every single day of the sprint.

How to address the issues in the next sprint?

- How to improve the process?
    - Using more time for face to face meetings.
    - Keep using SCRUM as accurate as possible.
    - Build more documentation.

- How to improve the product?
    - Find a better alternative for a database provider in the OTA level.
    - Research NDC communication.

20190215 - Sprint 2 Review

20190215 - Sprint 2 Review Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:30pm

End time: 10:00pm

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners: All.

- User Story NGDS-32 as a user I would like to sign up
- User Story NGDS-33 as a user I would likento log in
- User Story NGDS-26 as an airline I would like to receive shopping request.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- User Story NGDS-30 As an Online Travel Agent I would like to Add flights to my Shopping Cart
- User Story NGDS-34 As an Aggregate Server I would like to send a flight request
- User Story NGDS-35 As an Aggregate Server I would like to keep stored recent searches
- User Story NGDS-27 As an Airline I would like to store my flights
- User Story NGDS-31 As an Online Travel Agent I would like to Delete Flights from my Shopping Cart
- User Story NGDS-29 As an Online Travel Agent or User I would like to send a query to an Aggregate Server
- User Story NGDS-28 As an Airline I would like to find flights that have been requested

- User Story NGDS-36 As an Aggregate Server I would like to listen for OTA's
- User Story NGDS-37 As an Aggregate Server I want to be able to convert OTA's request to NDC

Sprint 3

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20190218 : Sprint 3 Planning Meeting Minutes

20190218 : Sprint 2 Planning Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00 pm

End time: 9:15 pm

After discussion, the velocity of the team were estimated to be 120.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story:
    - NGDS-27
    - NGDS-28
    - NGDS-29
    - NGDS-39
    - NGDS-31
    - NGDS-30
    - NGDS-45
    - NGDS-47
    - NGDS-34
    - NGDS-35
    - NGDS-46
    - NGDS-48

The team members indicated their willingness to work on the following user stories.

- Luis Herrnsdorf:
    - NGDS-27
    - NGDS-28
- Gonzalo Mera:
    - NGDS-34
    - NGDS-35
    - NGDS-46
    - NGDS-48
- Isaac Reynaldo:
    - NGDS-29
    - NGDS-39
    - NGDS-31
    - NGDS-30
    - NGDS-45

- NGDS-47

20190219 - Daily Scrum Meeting Minutes

20190219 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00 pm

End time: 9:15 pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Able to query through database of aggregate server
    - Pagination was improved and more accurate.
    - Created database for American Airlines for using as hard-coded data from db1b
    - Created the hard-coded data to be used in the AA db.
- What is planned to be done until the next scrum meeting?
    - Refined querying through database.
    - Research better database techniques for OTA.
    - Finish NGDS-29.
    - Create video for acceptance.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Work on creating a table to save flights queries
- What is planned to be done until the next scrum meeting?
    - Work on building XML response
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about aggregate servers and database.
    - Worked on the aggregate server
- What is planned to be done until the next scrum meeting?
    - Research about aggregate servers and database.
    - Work on the aggregate server
- What are the hurdles?
    - No hurdles

20190220 - Daily Scrum Meeting Minutes

20190220 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Created videos for User Stories
    - Finished developing NGDS-29 and marked it as done.
    - Minor improvements in flight list UI
- What is planned to be done until the next scrum meeting?
    - Start implementing Booking.

- Have a component for shopping Cart.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on building XML response
- What is planned to be done until the next scrum meeting?
  - Keep working on building XML response
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about aggregate servers and database.
  - Worked on the aggregate server
- What is planned to be done until the next scrum meeting?
  - Research about aggregate servers and database.
  - Work on the aggregate server
- What are the hurdles?
  - No hurdles

20190221 - Daily Scrum Meeting Minutes

20190221 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Shopping Cart implemented.
  - Minor UI fixes
  - Log in fixed so it stores user information in local storage.
  - About Us page started.
- What is planned to be done until the next scrum meeting?
  - Allow query to come from back end with round trip travel.
  - Finish Shopping Cart.
  - Finish Shopping Cart Diagrams.
  - Make video for Shopping Cart implementation if extra time.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on building XML response
- What is planned to be done until the next scrum meeting?
  - Keep working on building XML response
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
  - Worked on the aggregate server database
- What is planned to be done until the next scrum meeting?

- Research more about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
- Work on the aggregate server
- What are the hurdles?
  - No hurdles

20190222 - Daily Scrum Meeting Minutes

20190222 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on building XML response
- What is planned to be done until the next scrum meeting?
  - Keep working on building XML response
- What are the hurdles?
  - None

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Shopping Cart improved, for multiple flights.
  - Round trip booking implemented
  - New components added for code refactoring in the front end.
- What is planned to be done until the next scrum meeting?
  - Finish shopping cart implementation
  - Start planning for next user story
- What are the hurdles?
  - None

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
  - Worked on the aggregate server database
- What is planned to be done until the next scrum meeting?
  - Research more about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
  - Work on the aggregate server
- What are the hurdles?
  - No hurdles

20190225 - Daily Scrum Meeting Minutes

20190225 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on building XML response
- What is planned to be done until the next scrum meeting?
  - Keep working on building XML response
- What are the hurdles?
  - None

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Shopping Cart implemented.
  - Round Trip query implemented in the back end
  - Round trip search, front end implementation.
  - UI Minor fixes.
  - Flight List divided in two components, round trip and one way.
  - Pagination Minor fixes
- What is planned to be done until the next scrum meeting?
  - Implement Delete from shopping Cart.
  - Finish editing video review for NGDS-30.
- What are the hurdles?
  - None

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about Aggregate Servers Access Protocol
- What is planned to be done until the next scrum meeting?
  - Research more about Endpoint Handlespace Redundancy Protocol.
  - Work on the aggregate server
- What are the hurdles?
  - No hurdles

20190225 - Sprint 3 Checkpoint Meeting Minutes

20190225 - Sprint 3 Checkpoint Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:15

End time: 9:30

The total hours put so far by all team members are : 20h

- Isaac Reynaldo: 20h
- Luis Herrnsdorf:
- Gonzalo Mera:

Status, completeness, and decision made for each user story:

- Isaac Reynaldo

  - NGDS-29

    - Status: Done
    - Completeness: 100%
    - Decision: Done, start working on next User Story
  - NGDS-30

    - Status: Done
    - Completeness: 100%
    - Decision: Finish Video Editing for user story.

- Luis Herrnsdorf

    - Status: In Progress
    - Completeness: 80%
    - Decision: Continue with current user stories

- Gonzalo Mera

- NGDS-34

    - Status: In Progress
    - Completeness: 50%
    - Decision: Continue with current user stories

- NGDS-35

    - Status: In Progress
    - Completeness: 60%
    - Decision: Continue with current user stories
- NGDS-46
    - Status: In Progress
    - Completeness: 50%
    - Decision: Continue with current user stories
- NGDS-48
    - Status: In Progress
    - Completeness: 30%
    - Decision: Continue with current user stories

20190226 - Daily Scrum Meeting Minutes

20190226 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Finished Deletion from shopping Cart User Story
    - Minor fixes to Shopping Cart
    - Minor UI fixes
- What is planned to be done until the next scrum meeting?
    - Start Working on next User Story
    - Finish User story videos
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on building XML response
- What is planned to be done until the next scrum meeting?
    - Keep working on building XML response
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
    - work on the aggregate server
    - research about the aggregate server.
- What are the hurdles?
    - no hurdles

20190227 - Daily Scrum Meeting Minutes

20190227 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Finished NGDS-39
    - Finished main component diagram for project
    - Refactored code for cleaning and optimization
- What is planned to be done until the next scrum meeting?
    - Finish User Story NGDS-45
    - Start Working on User Story NGDS-47
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
    - Keep working on the tables, data and NDC implementation
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
    - Research about Aggregate server.
- What are the hurdles?
    - No hurdles

20190228 - Daily Scrum Meeting Minutes

20190228 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Started Working on User Story NGDS-47
    - Finished shopping cart diagram
    - Minor UI fixed
- What is planned to be done until the next scrum meeting?
    - Finish User Story NGDS-47
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
    - Keep working on the tables, data and NDC implementation
- What are the hurdles?

- No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
  - Research about Aggregate server.
- What are the hurdles?
  - No hurdles

20190301 - Daily Scrum Meeting Minutes

20190301 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Finished User Story NGDS-47
  - Minor fixes.
- What is planned to be done until the next scrum meeting?
  - Wrap up Sprint 3
  - Start User Stories for Sprint 4
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
  - Keep working on the tables, data and NDC implementation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server.
- What is planned to be done until the next scrum meeting?
  - Finnish the aggregated server
  - Write a draft of the user stories.
- What are the hurdles?
  - No hurdles

20190301 - Sprint 3 Retrospective

20190301 - Sprint 3 Retrospective Meeting Minutes

Attendees: Isaac Reynaldo,Gonzalo Mera, Luis Herrnsdorf

Start time: 9:15pm

End time: 9:30pm

What went wrong?

- Did we do a good job estimating our team's velocity?
    - We had a around 85% accuracy estimating the velocity for this sprint.

- Did we do a good job estimating the points (time required) for each user story?
    - Yes, we did.

- Did each team member work as scheduled?
    - Yes.

What went right?

- The communication with the team has improved.
- We were able to meet every single day of the sprint.
- Most of the features of The OTA were successfully implemented.

How to address the issues in the next sprint?

How to improve the process?

- Merge code from the different services
- Be able to use API architecture more effectively

Build more documentation.

- How to improve the product?
Find a better alternative for a database provider in the OTA level.
Research NDC communication.

20190301 - Sprint 3 Review

20190301 - Sprint 3 Review Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:30pm

End time: 10:00pm

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story NGDS-39 As systems architect I want to identify the main components of the different systems so that I can draw a high level diagram of the app.
- User Story NGDS-29 As an Online Travel Agent or User I would like to send a query to an Aggregate Server so I can find multiple flights with my input.
- User Story NGDS-31 As an Online Travel Agent I would like to Delete Flights from my Shopping Cart so that I don't book them.
- User Story NGDS-30 As an Online Travel Agent I would like to Add flights to my Shopping Cart so that I can book them later.
- User Story NGDS-45 As a system architect I want to identify behavior of reads and writes for OTA's database usage.
- User Story NGDS-47 As a system architect I want to identify a strategy to address the reads and writes behavior of the OTA's database usage.
- User Story NGDS-27 As an Airline I would like to store my flights so that I can access them and sell them.
- User Story NGDS-28 As an Airline I would like to find flights that have been requested so that I can send back the flight references.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- User Story NGDS-34 As an Aggregate Server I would like to send a flight request
- User Story NGDS-46 As an Aggregate Server I would like to keep stored recent searcher
- User Story NGDS-35 As an Aggregate Server I would like to keep stored recent searches for a determined time so that I can give query response efficiently.
- User Story NGDS-48 As a system architect I want to identify a strategy to address the reads and writes behavior of the Aggregate's database usage.

Sprint 4

No files shared here yet.

Drag and drop to upload or **browse for files**

20190304 : Sprint 4 Planning Meeting Minutes

20190304 : Sprint 4 Planning Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00 pm

End time: 9:15 pm

After discussion, the velocity of the team were estimated to be 120.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story:
    - NGDS-38 As a systems architect I want to define the transactional behavior of the different databases so I can identify an optimization strategy that I can use to design and implement my db.
    - NGDS-41 As a system architect I want to research best practices for architectural implementation of the OTAs so that I can find the most efficient method.
    - NGDS-43 As a system architect I want to research best caching efficiency methods for aggregator services.
    - NGDS-44 As a system architect I want to research best caching efficiency methods for OTAs's cache, so that I can find the most efficient way to reduce querying requests.
    - NGDS-49 As an Airline I want to sell flights directly to travelers.

The team members indicated their willingness to work on the following user stories.

- Luis Herrnsdorf:
    - NGDS-49 As an Airline I want to sell flights directly to travelers
- Gonzalo Mera:
    - NGDS-34 As an Aggregate Server I would like to send a flight request to multiple airlines so that I find more matches for the query.
    - NGDS-35 As an Aggregate Server I would like to keep stored recent searches for a determined time so that I can give query response efficiently.
    - NGDS-46 As a system architect I want to identify behavior of reads and writes for Aggregate service's database usage.
    - NGDS-48 As a system architect I want to identify a strategy to address the reads and writes behavior of the Aggregate's database usage.
- Isaac Reynaldo:
    - NGDS-38 As a systems architect I want to define the transactional behavior of the different databases so I can identify an optimization strategy that I can use to design and implement my db.
    - NGDS-41 As a system architect I want to research best practices for architectural implementation of the OTAs so that I can find the most efficient method.
    - NGDS-43 As a system architect I want to research best caching efficiency methods for aggregator services.
    - NGDS-44 As a system architect I want to research best caching efficiency methods for OTAs's cache, so that I can find the most efficient way to reduce querying requests.

20190305 - Daily Scrum Meeting Minutes

20190305 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00 pm

End time: 9:15 pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Started analyzing NGDS-41.
    - Started User Case Diagram for NGDS-41.
- What is planned to be done until the next scrum meeting?
    - Finish NGDS-41 Use Case
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Designing UI for travelers visiting airline website
- What is planned to be done until the next scrum meeting?
    - Implement UI and connect to airline API using NDS standards
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about aggregate servers and database.
- What is planned to be done until the next scrum meeting?
    - Research about other efficient architecture for an aggregate server.
    - Work on the aggregate server
- What are the hurdles?
    - No hurdles

20190306 - Daily Scrum Meeting Minutes

20190306 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Researched best practices for architectural implementation of the OTAs.
    - Studied different implementations of high availability systems.
- What is planned to be done until the next scrum meeting?
    - Finish NGDS-41.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on implementing Airline UI and connect to airline API using NDS standards
- What is planned to be done until the next scrum meeting?
    - Keep working on implementation of Airline UI and connect to airline API using NDS standards
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about Aggregate Servers Access Protocol
- What is planned to be done until the next scrum meeting?
  - Research about aggregate servers and database.
  - Work on the aggregate server
- What are the hurdles?
  - No hurdles

20190307 - Daily Scrum Meeting Minutes

20190307 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Explored CQRS ES architectural pattern for high availability syatem
  - Finished Diagram for NGDS-41
  - Researched Domain Driven Architecture for OTA.
- What is planned to be done until the next scrum meeting?
  - Draw Diagram for final architecture
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on implementing Airline UI and connect to airline API using NDS standards
- What is planned to be done until the next scrum meeting?
  - Keep working on implementation of Airline UI and connect to airline API using NDS standards
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Researched about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
- What is planned to be done until the next scrum meeting?
  - Research more about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
  - Work on the aggregate server
- What are the hurdles?
  - No hurdles

20190308 - Daily Scrum Meeting Minutes

20190308 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on implementing Airline UI and connect to airline API using NDS standards
- What is planned to be done until the next scrum meeting?
  - Keep working on implementation of Airline UI and connect to airline API using NDS standards
- What are the hurdles?

- No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Built new high level diagram for microservice implementation.
    - Researched CQRS-ES for flight search.
    - Started filling a Documentation for the architecture.
- What is planned to be done until the next scrum meeting?
    - Keep Working on the documentation.
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
- What is planned to be done until the next scrum meeting?
    - Have a draft for the user story
    - Research more about Aggregate Servers Access Protocol and Endpoint Handlespace Redundancy Protocol.
    - Finnish the aggregate server
- What are the hurdles?
    - No hurdles

20190311 - Daily Scrum Meeting Minutes

20190311 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on building XML response
- What is planned to be done until the next scrum meeting?
    - Keep working on building XML response
- What are the hurdles?
    - None

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Researched the Api Gateway and best practices.
    - Researched Microservice architecture and possible implementation.
- What is planned to be done until the next scrum meeting?
    - Document Findings on Microservice Architecture and API Gateway.
    - Finish editing videos for User Stories
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about Aggregate Servers Access Protocol
- What is planned to be done until the next scrum meeting?
    - Research more about Endpoint Handlespace Redundancy Protocol.
    - Work on the aggregate server
- What are the hurdles?
    - No hurdles

20190311 - Sprint 4 Checkpoint Meeting Minutes

20190311 - Sprint 4 Checkpoint Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:15

End time: 9:30

The total hours put so far by all team members are : 40h

- Isaac Reynaldo: 20h
- Luis Herrnsdorf: 20h
- Gonzalo Mera:

Status, completeness, and decision made for each user story:

- Isaac Reynaldo

    - NGDS-41

        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video of User Story
    - NGDS-44

        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video Editing for user story.

- Luis Herrnsdorf

    - Status: In Progress
    - Completeness: 50%
    - Decision: Continue with current user stories

- Gonzalo Mera

20190312 - Daily Scrum Meeting Minutes

20190312 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Started Documenting Findings on Microservice Architecture and API Gateway.
    - Finished editing videos for User Stories
- What is planned to be done until the next scrum meeting?
    - Keep working on Documentation for NGDS.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on building XML response
- What is planned to be done until the next scrum meeting?
  - Keep working on building XML response
- What are the hurdles?
  - None

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
  - work on the aggregate server
  - research about the aggregate server.
- What are the hurdles?
  - no hurdles

20190313 - Daily Scrum Meeting Minutes

20190313 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Started Working on NGDS-43
  - Started working on Presentation for new architecture.
  - Worked on new Documentation for Microservice architecture.
- What is planned to be done until the next scrum meeting?
  - Keep working on NGDS-43
  - Continue the presentation for new architecture.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
  - Keep working on the tables, data and NDC implementation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
  - Research about Aggregate server.
- What are the hurdles?
  - No hurdles

20190314 - Daily Scrum Meeting Minutes

20190314 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Kept working on NGDS-43
    - Continued the presentation for new architecture.
- What is planned to be done until the next scrum meeting?
    - Finish User Story NGDS-43
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
    - Keep working on the tables, data and NDC implementation
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
    - Research about Aggregate server.
- What are the hurdles?
    - No hurdles

20190315 - Daily Scrum Meeting Minutes

20190315 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Finished User Story NGDS-43
    - Finished User Story NGDS-38
- What is planned to be done until the next scrum meeting?
    - Wrap up Sprint 4
    - Start User Stories for Sprint 5
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on the tables and data for airlines. Continue implementing NDC
- What is planned to be done until the next scrum meeting?
    - Keep working on the tables, data and NDC implementation
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server.
- What is planned to be done until the next scrum meeting?
  - Finnish the aggregated server
  - Write a draft of the user stories.
- What are the hurdles?
  - No hurdles

20190315 - Sprint 4 Retrospective

20190315 - Sprint 4 Retrospective Meeting Minutes

Attendees: Isaac Reynaldo,Gonzalo Mera, Luis Herrnsdorf

Start time: 9:15pm

End time: 9:30pm

What went wrong?

- Did we do a good job estimating our team's velocity?
  - We had a around 65% accuracy estimating the velocity for this sprint.

- Did we do a good job estimating the points (time required) for each user story?
  - No we didn't but mainly it was affected by the spring break week.

- Did each team member work as scheduled?
  - Yes.

What went right?

- The communication with the team has improved.
- We were able to meet every single day of the sprint.
- Most of the features of The OTA were successfully implemented.

How to address the issues in the next sprint?

How to improve the process?

- Merge code from the different services
- Be able to use API architecture more effectively

Build more documentation.

- How to improve the product?
  - Improve Team Communication.
  - Find a better alternative for a database provider in the OTA level.
  - Research NDC communication.

20190315 - Sprint 4 Review

20190315 - Sprint 4 Review Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:30pm

End time: 10:00pm

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story NGDS-38 As a systems architect I want to define the transactional behavior of the different databases so I can identify an optimization strategy that I can use to design and implement my db.

- User Story NGDS-41 As a system architect I want to research best practices for architectural implementation of the OTAs so that I can find the most efficient method.
- User Story NGDS-43 As a system architect I want to research best caching efficiency methods for aggregator services.
- User Story NGDS-44 As a system architect I want to research best caching efficiency methods for OTAs's cache, so that I can find the most efficient way to reduce querying requests.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- User Story NGDS-34 As an Aggregate Server I would like to send a flight request
- User Story NGDS-46 As an Aggregate Server I would like to keep stored recent searcher
- User Story NGDS-35 As an Aggregate Server I would like to keep stored recent searches for a determined time so that I can give query response efficiently.
- User Story NGDS-48 As a system architect I want to identify a strategy to address the reads and writes behavior of the Aggregate's database usage.
- User Story NGDS-49 As an Airline I want to sell flights directly to travelers

Sprint 5

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20190318 : Sprint 5 Planning Meeting Minutes

20190318 : Sprint 5 Planning Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00 pm

End time: 9:15 pm

After discussion, the velocity of the team were estimated to be 120.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story:
    - NGDS-54 As a systems architect I want to connect the OTA to the Airline endpoint so that I can have the services connected.
    - NGDS-55 As a system architect I want to implement an API Gateway so that I can connect the different microservices to it.
    - NGDS-56 As a user I want to search a flight in a quick way so that I can buy my ticket fast.
    - NGDS-50 As an Airline I want to provide an interface that allows the OTA aggregate server to acquire NDC transactions.
    - NGDS-51 As a System Designer I want to have three instances of Airlines so I can test the NDC transactions.
    - NGDS-52 As a system architect I want my airline database to perform well with around 600 transactions per second of reads.
    - NGDS-53 As a system architect I want to use similar airline data for fares over the same time period and market.

The team members indicated their willingness to work on the following user stories.

- Luis Herrnsdorf:
    - NGDS-50 As an Airline I want to provide an interface that allows the OTA aggregate server to acquire NDC transactions.
    - NGDS-51 As a System Designer I want to have three instances of Airlines so I can test the NDC transactions.
    - NGDS-52 As a system architect I want my airline database to perform well with around 600 transactions per second of reads.
    - NGDS-53 As a system architect I want to use similar airline data for fares over the same time period and market.
- Gonzalo Mera:
- Isaac Reynaldo:
    - NGDS-54 As a systems architect I want to connect the OTA to the Airline endpoint so that I can have the services connected.

- NGDS-55 As a system architect I want to implement an API Gateway so that I can connect the different microservices to it.
- NGDS-56 As a user I want to search a flight in a quick way so that I can buy my ticket fast.

20190319 - Daily Scrum Meeting Minutes

20190319 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00 pm

End time: 9:15 pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Kong initial implementation for API Gateway.
    - Kong Installation.
    - NGDS-55 User Story Initialized.
- What is planned to be done until the next scrum meeting?
    - Keep Working on Kong Initialization.
    - Connect OTA to API Gateway.
- What are the hurdles?
    - None so far.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Finished User Story NGDS-49
- What is planned to be done until the next scrum meeting?
    - Start on User Story NGDS-51 and NGDS-52
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Researched about aggregate servers and database.
    - Worked on the aggregate server.
- What is planned to be done until the next scrum meeting?
    - Work on the aggregate server
- What are the hurdles?
    - No hurdles

20190320 - Daily Scrum Meeting Minutes

20190320 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Worked on Kong Initialization with AWS instance.
    - Created Flight Model in the Kong Instance for API Management.
- What is planned to be done until the next scrum meeting?
    - Work on NGDS-55.
    - Research Load Balancing feature of Kong.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Looked into load testing tools. Replicating database.
- What is planned to be done until the next scrum meeting?
    - Continue looking into load testing tools and replicating database.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Work on the aggregate server
- What is planned to be done until the next scrum meeting?
    - Research about aggregate servers and database.
    - Work on the aggregate server
- What are the hurdles?
    - No hurdles

20190321 - Daily Scrum Meeting Minutes

20190321 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Work on the API Gateway.
    - Started connection Kong to the AirShopping service.
- What is planned to be done until the next scrum meeting?
    - Have a steady connection to the API Gateway.
- What are the hurdles?
    - Issue Accessing the Airline Server.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Looked into load testing tools. Replicating database.
- What is planned to be done until the next scrum meeting?
    - Continue looking into load testing tools and replicating database.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregate server
- What is planned to be done until the next scrum meeting?
    - Work on the aggregate server
- What are the hurdles?
    - No hurdles

20190322 - Daily Scrum Meeting Minutes

20190322 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Looked into load testing tools. Replicating database.
- What is planned to be done until the next scrum meeting?
    - Work with load testing tools.
- What are the hurdles?
    - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Worked on NGDS-55
    - Created yml file for Docker containers.
    - Implemented Konga GUI for Api Gateway's Analytics.
    - Sent POST requests to Airlines to initialize NDC implementation on the OTA.
- What is planned to be done until the next scrum meeting?
    - Fully connect OTA to Airline API.
    - Finish installation of Konga for the project.
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregate server
- What is planned to be done until the next scrum meeting?
    - Have a draft for the user story
    - Finnish the aggregate server
- What are the hurdles?
    - No hurdles

20190325 - Daily Scrum Meeting Minutes

20190325 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Finished NGDS-49, NGDS-51, and NGDS-52
- What is planned to be done until the next scrum meeting?
    - Start NGDS 53.
- What are the hurdles?
    - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - NGDS-54 initialized.
    - NGDS-56 Finished.
    - Connected to new OTA api endpoint,
- What is planned to be done until the next scrum meeting?
    - Finish connection to API within the service.
    - Work on the Kong Gateway.
- What are the hurdles?
    - Some connection issue to the API

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregate server
- What is planned to be done until the next scrum meeting?

- Finnish the aggregate server.
- What are the hurdles?
  - No hurdles

20190325 - Sprint 5 Checkpoint Meeting Minutes

20190325 - Sprint 4 Checkpoint Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:15

End time: 9:30

The total hours put so far by all team members are : 60h

- Isaac Reynaldo: 20h
- Luis Herrnsdorf: 34h
- Gonzalo Mera: 20h

Status, completeness, and decision made for each user story:

- Isaac Reynaldo

  - NGDS-56

    - Status: Done
    - Completeness: 100%
    - Decision: Finish Video of User Story
  - NGDS-54

    - Status: Done
    - Completeness: 50%
    - Decision: Connection to OTA initialized.

- Luis Herrnsdorf

  - NGDS-53

    - Status: In Progress
    - Completeness: 75%
    - Decision: Continue with current user stories
  - NGDS-49, 51, 52

    - Status: Done

- Gonzalo Mera

  - NGDS-34
    - Status: Done
    - Completeness: 100%
    - Decision: Finish Video of User Story
  - NGDS-35
    - Status: In progress
    - Completeness: 80%
    - Decision: Continue working on the user story

20190326 - Daily Scrum Meeting Minutes

20190326 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Built Docker Compose file for Kong's Api Gateway.
    - Worked on XML conversion from OTA API to Airlines.
- What is planned to be done until the next scrum meeting?
    - Work on XML to OTA Api conversion.
    - Finish NGDS-54
    - Keep Working on NGDS-55
- What are the hurdles?
    - Some connection problems with Airline service, which were fixed.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Started NGDS-53
- What is planned to be done until the next scrum meeting?
    - Kepp working on getting data from all three databases as one time zone.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
    - work on the aggregate server
- What are the hurdles?
    - no hurdles

20190327 - Daily Scrum Meeting Minutes

20190327 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Connected OTA to Airline API using NDC Request.
    - Built NDC Request from flight chosen by OTA UI's.
    - Received AirShoppingResponse with Flight offers.
- What is planned to be done until the next scrum meeting?
    - Map AirShoppingResponse to OTA api's
    - Show Flights coming from Airline into the UI service.
- What are the hurdles?
    - No Hurdles today.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on getting data from all three databases in one time zone.
- What is planned to be done until the next scrum meeting?
    - Kepp working on getting data from all three databases in one time zone.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
    - Work on the aggregated server
- What are the hurdles?
    - No hurdles

20190328 - Daily Scrum Meeting Minutes

20190328 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Parsed AirShoppingRS to OTA's API.
    - Finalized NGDS-54 functionality, connecting Airlines to the OTA.
    - Finished The User Story Video for NGDS-54
- What is planned to be done until the next scrum meeting?
    - Fix Minor Bugs from NGDS-54
    - Document Project Progress.
    - Edit Video and Publish for NGDS-54 User Story.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Worked on getting data from all three databases in one time zone.
- What is planned to be done until the next scrum meeting?
    - Kepp working on getting data from all three databases in one time zone.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
    - Implement NDC XML request to the aggregate server
- What are the hurdles?
    - No hurdles

20190329 - Daily Scrum Meeting Minutes

20190329 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Edited Video for NGDS-54 User Story.
    - Fixed Minor Bugs from NGDS-54, OTA Response Formating.
    - Initialized API Gateway's Documentation for future of the project.
- What is planned to be done until the next scrum meeting?
    - Finish User Stories for Next Sprint.
- What are the hurdles?
    - No hurdles so far.m

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Finished NGDS-53
- What is planned to be done until the next scrum meeting?
    - Start documentation
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server.
- What is planned to be done until the next scrum meeting?
    - Finnish the aggregated server
    - Write a draft of the user stories.
- What are the hurdles?
    - No hurdles

20190329 - Sprint 5 Retrospective

20190329 - Sprint 5 Retrospective Meeting Minutes

Attendees: Isaac Reynaldo,Gonzalo Mera, Luis Herrnsdorf

Start time: 9:15pm

End time: 9:30pm

What went wrong?

- Did we do a good job estimating our team's velocity?
    - We had a around 80% accuracy estimating the velocity for this sprint.

- Did we do a good job estimating the points (time required) for each user story?
    - Yes.

- Did each team member work as scheduled?
    - Yes.

What went right?

- The communication with the team has improved.
- We were able to meet every single day of the sprint.
- Most of the features of The OTA were successfully implemented.
- The connection between the OTA and Airlines Service was successfully implemented.

How to address the issues in the next sprint?

How to improve the process?

- Work together to finish up the project.

Build more documentation.

- How to improve the product?
    - Improve Team Communication.
    - Find a better alternative for a database provider in the OTA level.
    - Research NDC communication.

20190329 - Sprint 5 Review

20190329 - Sprint 5 Review Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:30pm

End time: 10:00pm

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story NGDS-51 As a System Designer I want to have three instances of Airlines so I can test the NDC transactions.
- User Story NGDS-52 As a system architect I want my airline database to perform well with around 600 transactions per second of reads.
- User Story NGDS-53 As a system architect I want to use similar airline data for fares over the same time period and market.
- User Story NGDS-34 As an Aggregate Server I would like to send a flight request
- User Story NGDS-35 As an Aggregate Server I would like to keep stored recent searches for a determined time so that I can give query response efficiently.
- User Story NGDS-54 As a system architect I want to connect the OTA to the Airline endpoint so that I can start connecting the services.
- User Story NGDS-55 As a system architect I want to implement a Api Gateway so that I can connect the different microservices to it.
- User Story NGDS-56 As a user I want to search a flight in a quick way so that I can buy my ticket fast.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- User Story NGDS-46 As an Aggregate Server I would like to keep stored recent searcher
- User Story NGDS-48 As a system architect I want to identify a strategy to address the reads and writes behavior of the Aggregate's database usage.

Sprint 6

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20190401 : Sprint 6 Planning Meeting Minutes

20190401 : Sprint 6 Planning Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00 pm

End time: 9:15 pm

After discussion, the velocity of the team were estimated to be 120.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story:
    - NGDS-61 As a system Architect I want to create a Poster with the process of the project so that I can finalize the Project.
    - NGDS-59 As a system Architect I want to connect to three different Airlines so that I can aggregate the correct flights being requested.
    - NGDS-62 As a software developer I want to finish documenting the project so that I can make it easier to continue the Project.
    - NGDS-63 As a System Architect I want to create a Open Source License so that the project can be exposed to the open source community.
    - NGDS-58 As a Aggregate Server I want to do cashing to flight search so that I don't have to unnecessarily look for a flight straight from the Airline.
    - NGDS-57 As an User I want to store my current flight search so that I can quickly find it again.
    - NGDS-60 As a System Architect I want to verify NDC schemas so that I know when I'm using the correct protocol, and receiving it.
    - NGDS-34 As an Aggregate Server I would like to send a flight request to multiple airlines so that I find more matches for the query.
    - NGDS-48 As a system architect I want to identify a strategy to address the reads and writes behavior of the Aggregate's database usage.
    - NGDS-46 As a system architect I want to identify behavior of reads and writes for Aggregate service's database usage.

The team members indicated their willingness to work on the following user stories.

- Isaac Reynaldo:
    - NGDS-61 As a system Architect I want to create a Poster with the process of the project so that I can finalize the Project.
    - NGDS-59 As a system Architect I want to connect to three different Airlines so that I can aggregate the correct flights being requested.
    - NGDS-62 As a software developer I want to finish documenting the project so that I can make it easier to continue the Project.
    - NGDS-63 As a System Architect I want to create a Open Source License so that the project can be exposed to the open source community.
    - NGDS-58 As a Aggregate Server I want to do cashing to flight search so that I don't have to unnecessarily look for a flight straight from the Airline.
    - NGDS-57 As an User I want to store my current flight search so that I can quickly find it again.
    - NGDS-60 As a System Architect I want to verify NDC schemas so that I know when I'm using the correct protocol, and receiving it.
- Luis Herrnsdorf:
    - NGDS-64 As a system Architect I want to create documentation of the process of the project so that I can finalize the Project.
- Gonzalo Mera:
    - NGDS-48 As a system architect I want to identify a strategy to address the reads and writes behavior of the Aggregate's database usage.
    - NGDS-46 As a system architect I want to identify behavior of reads and writes for Aggregate service's database usage.
    - NGDS-34 As an Aggregate Server I would like to send a flight request to multiple airlines so that I find more matches for the query.

20190402 - Daily Scrum Meeting Minutes

20190402 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00 pm

End time: 9:15 pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Started Working on NGDS-57
    - Initialized Cache detection at an User Level.
- What is planned to be done until the next scrum meeting?
    - Keep Working on NGDS-57.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Setting up folder structure in bitbucket
- What is planned to be done until the next scrum meeting?
  - Documenting the airline part of the project
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
- What is planned to be done until the next scrum meeting?
- What are the hurdles?

20190403 - Daily Scrum Meeting Minutes

20190403 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Used local variables for storing cache information of flights.
  - Used components to search for cache flights and add them to the List.
  - Worked on NGDS-57.
- What is planned to be done until the next scrum meeting?
  - Finish NGDS-57.
  - Start NGDS-58.
- What are the hurdles?
  - Got stuck on caching service user side. Left documentation to keep working on it.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Setting up folder structure in bitbucket
- What is planned to be done until the next scrum meeting?
  - Documenting the airline part of the project
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Send a request to multiple airline.
  - Cache the request.
  - Store the request to the database.
- What is planned to be done until the next scrum meeting?
  - Work on the aggregate server
  - Merge the XML responses into a single response to store and response to the OTA
- What are the hurdles?
  - No hurdles

20190404 - Daily Scrum Meeting Minutes

20190404 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Started working on NGDS-58.
    - Kept trying to implement NGDS-57.
    - Cached on Aggregate level successfully.
    - Sent multiple AirShoppingRQ to same endpoint for Round Trip Flights.
- What is planned to be done until the next scrum meeting?
    - Finish NGDS-58
- What are the hurdles?
    - NGDS-57 took more time than expected.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Documenting the airline part of the project
- What is planned to be done until the next scrum meeting?
    - Continue with documentation.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Started documenting
    - Worked on the aggregate server
- What is planned to be done until the next scrum meeting?
    - Send multiple request to each airline.
- What are the hurdles?
    - Turning mongoose document into JSON

20190405 - Daily Scrum Meeting Minutes

20190405 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
    - Continue with documentation
- What are the hurdles?
    - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Finished NGDS-58
    - Finished NGDS-59
    - Started working on NDC schema validation
- What is planned to be done until the next scrum meeting?
    - Keep working on Schema Validation
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregate server
    - Documenting

- What is planned to be done until the next scrum meeting?
  - Send a fully collected flight response
- What are the hurdles?
  - No hurdles

20190408 - Daily Scrum Meeting Minutes

20190408 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Worked on Caching system for OTA.
- What is planned to be done until the next scrum meeting?
  - Finish Caching System for OTA.
- What are the hurdles?
  - Some connection problems with Airline service, which were fixed.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Started NGDS-53
- What is planned to be done until the next scrum meeting?
  - Kepp working on getting data from all three databases as one time zone.
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
  - work on the aggregate server
- What are the hurdles?
  - no hurdles

20190408 - Sprint 6 Checkpoint Meeting Minutes

20190408 - Sprint 4 Checkpoint Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:15

End time: 9:30

The total hours put so far by all team members are : 60h

- Isaac Reynaldo: 20h
- Luis Herrnsdorf: 34h
- Gonzalo Mera: 20h

Status, completeness, and decision made for each user story:

- Isaac Reynaldo

    - NGDS-59

        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video of User Story
    - NGDS-58

        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video of User Story

- Luis Herrnsdorf

    - Status: In Progress

    - Completeness: 75%

    - Decision: Continue with current work

    - Status: In progress

- Gonzalo Mera

    - NGDS-34
        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video of User Story
    - NGDS-35
        - Status: In progress
        - Completeness: 80%
        - Decision: Continue working on the user story

20190409 - Daily Scrum Meeting Minutes

20190409 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
    - Continue with documentation
- What are the hurdles?
    - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - NGDS-58 Finished.
    - NGDS-59 Finished.
    - Started Documentation
- What is planned to be done until the next scrum meeting?
    - Work on Documentation.
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregate server.
- What is planned to be done until the next scrum meeting?
  - Continue documenting.
  - Start making the poster.
  - Make the aggregate server take post request.
- What are the hurdles?
  - No hurdles

20190410 - Daily Scrum Meeting Minutes

20190410 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Worked on Documentation.
- What is planned to be done until the next scrum meeting?
  - Work on Poster
- What are the hurdles?
  - No Hurdles today.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
  - Continue with documentation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server.
  - The aggregate server can receive XML requests
  - Worked on the poster.
- What is planned to be done until the next scrum meeting?
  - Work on the aggregated server
  - Work on the documentation.
- What are the hurdles?
  - No hurdles

20190411 - Daily Scrum Meeting Minutes

20190411 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Parsed AirShoppingRS to OTA's API.

- Finalized NGDS-54 functionality, connecting Airlines to the OTA.
- Finished The User Story Video for NGDS-54
- What is planned to be done until the next scrum meeting?
  - Fix Minor Bugs from NGDS-54
  - Document Project Progress.
  - Edit Video and Publish for NGDS-54 User Story.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
  - Continue with documentation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
  - Worked on the poster
- What is planned to be done until the next scrum meeting?
  - Work on the documentation
- What are the hurdles?
  - No hurdles

20190412 - Daily Scrum Meeting Minutes

20190412 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Finished Poster
- What is planned to be done until the next scrum meeting?
  - Finish User Stories for Next Sprint.
- What are the hurdles?
  - No hurdles so far

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
  - Continue with documentation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server.
  - Worked on the poster
- What is planned to be done until the next scrum meeting?
  - Finnish the poster
  - Continue documenting

- What are the hurdles?
  - No hurdles

20190412 - Sprint 6 Retrospective

20190412- Sprint 6 Retrospective Meeting Minutes

Attendees: Isaac Reynaldo,Gonzalo Mera, Luis Herrnsdorf

Start time: 9:15pm

End time: 9:30pm

What went wrong?

- Did we do a good job estimating our team's velocity?
  - We had a around 60% accuracy estimating the velocity for this sprint.
- Did we do a good job estimating the points (time required) for each user story?
  - Yes.
- Did each team member work as scheduled?
  - Yes.

What went right?

- The communication with the team has improved.
- We were able to meet every single day of the sprint.
- Most of the features of The OTA were successfully implemented.
- The connection between the OTA and Airlines Service was successfully implemented.

How to address the issues in the next sprint?

How to improve the process?

- Work together to finish up the project.

Build more documentation.

- How to improve the product?
  - Improve Team Communication.
  - Find a better alternative for a database provider in the OTA level.
  - Research NDC communication.

20190412 - Sprint 6 Review

20190412- Sprint 6 Review Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:30pm

End time: 10:00pm

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story NGDS-34 As an Aggregate Server I would like to send a flight request to multiple airlines so that I find more matches for the query.
- User Story NGDS-46 As a system architect I want to identify behavior of reads and writes for Aggregate service's database usage.
- User Story NGDS-48 As a system architect I want to identify a strategy to address the reads and writes behavior of the Aggregate's database usage.
- User Story NGDS-57 As an User I want to store my current flight search so that I can quickly find it again.

- User Story NGDS-58 As a Aggregate Server I want to do cashing to flight search so that I don't have to unnecessarily look for a flight straight from the Airline.
- User Story NGDS-59 As a system Architect I want to connect to three different Airlines so that I can aggregate the correct flights being requested.
- User Story NGDS-61 As a system Architect I want to create a Poster with the process of the project so that I can finalize the Project.
- User Story NGDS-63 As a System Architect I want to create a Open Source License so that the project can be exposed to the open source community.
- User Story NGDS-64 As a system Architect I want to create documentation of the process of the project so that I can finalize the Project.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- User Story NGDS-60 As a System Architect I want to verify NDC schemas so that I know when I'm using the correct protocol, and receiving it.
- User Story NGDS-62 As a software developer I want to finish documenting the project so that I can make it easier to continue the Project.

Sprint 7

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20190415 : Sprint 7 Planning Meeting Minutes

20190415 : Sprint 7 Planning Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00 pm

End time: 9:15 pm

After discussion, the velocity of the team were estimated to be 80.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story:
    - NGDS-62 As a software developer I want to finish documenting the project so that I can make it easier to continue the Project.
    - NGDS-65 As a software developer I want to Finish Videos for User Stories to keep documentation for future iterations of the project.

The team members indicated their willingness to work on the following user stories.

- Isaac Reynaldo:
    - NGDS-62 As a software developer I want to finish documenting the project so that I can make it easier to continue the Project.
    - NGDS-65 As a software developer I want to Finish Videos for User Stories to keep documentation for future iterations of the project.
- Luis Herrnsdorf:
    - NGDS-62 As a software developer I want to prepare the final delivery of the Project.
- Gonzalo Mera:

20190416 - Daily Scrum Meeting Minutes

20190416 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00 pm

End time: 9:15 pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Documenting Project.
- What is planned to be done until the next scrum meeting?
    - Keep Documenting the Project.
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Prepared the final delivery of the Project.
- What is planned to be done until the next scrum meeting?
    - Continue preparing the final delivery of the Project.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
- What is planned to be done until the next scrum meeting?
- What are the hurdles?

20190417 - Daily Scrum Meeting Minutes

20190417 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Documenting Project.
    - Video Creation
- What is planned to be done until the next scrum meeting?
    - Create missing Videos for User Stories
- What are the hurdles?
    - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Prepared the final delivery of the Project.
- What is planned to be done until the next scrum meeting?
    - Continue preparing the final delivery of the Project.
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Send a request to multiple airline.
    - Cache the request.

- Store the request to the database.
  - What is planned to be done until the next scrum meeting?
    - Work on the aggregate server
    - Merge the XML responses into a single response to store and response to the OTA
  - What are the hurdles?
    - No hurdles

20190418 - Daily Scrum Meeting Minutes

20190418 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- No Scrum - Senior Project Case Show

Luis Herrnsdorf:

- No Scrum - Senior Project Case Show

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Started documenting
  - Worked on the aggregate server
- What is planned to be done until the next scrum meeting?
  - Send multiple request to each airline.
- What are the hurdles?
  - Turning mongoose document into JSON

20190419 - Daily Scrum Meeting Minutes

20190419 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
  - Continue with documentation
- What are the hurdles?
  - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Keep Working on Documentation
- What is planned to be done until the next scrum meeting?
  - Keep Working on Documentation
- What are the hurdles?
  - None

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregate server
  - Documenting
- What is planned to be done until the next scrum meeting?
  - Send a fully collected flight response
- What are the hurdles?
  - No hurdles

20190422 - Daily Scrum Meeting Minutes

20190422 - Daily Scrum Meeting Minutes

Attendees: Gonzalo Mera, Isaac Reynaldo, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Worked on Documentation.
- What is planned to be done until the next scrum meeting?
  - Work on Introductory Video for Project.
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Prepared the final delivery of the Project.
- What is planned to be done until the next scrum meeting?
  - Continue preparing the final delivery of the Project.
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
- What is planned to be done until the next scrum meeting?
  - work on the aggregate server
- What are the hurdles?
  - no hurdles

20190422 - Sprint 7 Checkpoint Meeting Minutes

20190422 - Sprint 7 Checkpoint Meeting Minutes

Attendees: Luis Herrnsdorf, Isaac Reynaldo, Gonzalo Mera

Start time: 9:15

End time: 9:30

The total hours put so far by all team members are : 60h

- Isaac Reynaldo: 20h
- Luis Herrnsdorf: 20h
- Gonzalo Mera: 20h

Status, completeness, and decision made for each user story:

- Isaac Reynaldo
    - NGDS-62
        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video of User Story
    - NGDS-65
        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video of User Story

- Luis Herrnsdorf
    - Status: In Progress
    - Completeness: 85%
    - Decision: Continue with current work
    - Status: In progress

- Gonzalo Mera
    - NGDS-34
        - Status: Done
        - Completeness: 100%
        - Decision: Finish Video of User Story
    - NGDS-35
        - Status: In progress
        - Completeness: 80%
        - Decision: Continue working on the user story

20190423 - Daily Scrum Meeting Minutes

20190423 - Daily Scrum Meeting Minutes

Attendees: Luis Herrnsdorf, Gonzalo Mera, Isaac Reynaldo

Start time: 9:00

End time: 9:15

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
    - Continue with documentation
- What are the hurdles?
    - No hurdles

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Worked on Tutorial Video OTA of the System
- What is planned to be done until the next scrum meeting?
    - Work on Installation & Maintenance Video.
- What are the hurdles?
    - None

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregate server.
- What is planned to be done until the next scrum meeting?
    - Continue documenting.
    - Start making the poster.
    - Make the aggregate server take post request.
- What are the hurdles?
    - No hurdles

20190424 - Daily Scrum Meeting Minutes

20190424 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Worked on Installation & Maintenance Video.
- What is planned to be done until the next scrum meeting?
    - Work on Shortcomings & Wish-list Video.
- What are the hurdles?
    - No Hurdles today.

Luis Herrnsdorf:

- What was done since the last scrum meeting?
    - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
    - Continue with documentation
- What are the hurdles?
    - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
    - Worked on the aggregated server.
    - The aggregate server can receive XML requests
    - Worked on the poster.
- What is planned to be done until the next scrum meeting?
    - Work on the aggregated server
    - Work on the documentation.
- What are the hurdles?
    - No hurdles

20190425 - Daily Scrum Meeting Minutes

20190425 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
    - Worked on Shortcomings & Wish-list Video.

- What is planned to be done until the next scrum meeting?
  - Final touches to all the project documentations
- What are the hurdles?
  - None

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
  - Continue with documentation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server
  - Worked on the poster
- What is planned to be done until the next scrum meeting?
  - Work on the documentation
- What are the hurdles?
  - No hurdles

20190426 - Daily Scrum Meeting Minutes

20190426 - Daily Scrum Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:00pm

End time: 9:15pm

Isaac Reynaldo:

- What was done since the last scrum meeting?
  - Worked on Document
- What is planned to be done until the next scrum meeting?
  - Finish Project
- What are the hurdles?
  - No hurdles so far

Luis Herrnsdorf:

- What was done since the last scrum meeting?
  - Documenting the airline part of the project with diagrams and videos
- What is planned to be done until the next scrum meeting?
  - Continue with documentation
- What are the hurdles?
  - No hurdles

Gonzalo Mera:

- What was done since the last scrum meeting?
  - Worked on the aggregated server.
  - Worked on the poster
- What is planned to be done until the next scrum meeting?
  - Finnish the poster
  - Continue documenting
- What are the hurdles?
  - No hurdles

20190426 - Sprint 7 Retrospective

20190426- Sprint 7 Retrospective Meeting Minutes

Attendees: Isaac Reynaldo,Gonzalo Mera, Luis Herrnsdorf

Start time: 9:15pm

End time: 9:30pm

What went wrong?

- Did we do a good job estimating our team's velocity?
    - We had a around 60% accuracy estimating the velocity for this sprint.

- Did we do a good job estimating the points (time required) for each user story?
    - Yes.

- Did each team member work as scheduled?
    - Yes.

What went right?

- The communication with the team has improved.
- We were able to meet every single day of the sprint.
- Most of the features of The OTA were successfully implemented.
- The connection between the OTA and Airlines Service was successfully implemented.

How to address the issues in the next sprint?

How to improve the process?

- Work together to finish up the project.

Build more documentation.

- How to improve the product?
    - Improve Team Communication.
    - Find a better alternative for a database provider in the OTA level.
    - Implement the API Gateway for the Microservice Architecture.
    - Research NDC communication.

20190426 - Sprint 7 Review

20190426- Sprint 7 Review Meeting Minutes

Attendees: Isaac Reynaldo, Gonzalo Mera, Luis Herrnsdorf

Start time: 9:30pm

End time: 10:00pm

After a show and tell presentation, the implementation of the following user stories were accepted by the product owners:

- User Story NGDS-62 As a software developer I want to finish documenting the project so that I can make it easier to continue the Project.
- User Story NGDS-65 As a software developer I want to Finish Videos for User Stories to keep documentation for future iterations of the project.
- User Story NGDS-66 Prepare final delivery.

The following ones were rejected and moved back to the product backlog to be assigned to a future sprint at a future Spring Planning meeting.

- None

Videos

Isaac Reynaldo

Video Name	Video Link
NGDS - User Story: #6	https://www.youtube.com/watch?v=FbzqD9tisow&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=1
NGDS - User Story: #16	https://www.youtube.com/watch?v=Oyi5Htyxxmo&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=2
NGDS - User Story: #29	https://www.youtube.com/watch?v=HzcBNLOC8rc&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=3
NGDS - User Story: #32	https://www.youtube.com/watch?v=Nf-5OqjGlfE&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=4
NGDS - User Story: #33	https://www.youtube.com/watch?v=z-uPizcQohU&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=5
NGDS - User Story: #54	https://www.youtube.com/watch?v=eSLYlh99ErE&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=9
NGDS - Intro Video	https://www.youtube.com/watch?v=24lovFF4TxM&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=13
NGDS - Tutorial Video for Online Travel Agent	https://www.youtube.com/watch?v=AmtEfXus_aY&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=10
NGDS - OTA Installation & Maintenance	https://www.youtube.com/watch?v=WNrFthnoDU4&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=11
NGDS - Shortcoming & Wishlist	https://www.youtube.com/watch?v=1PoqpSFB9QM&list=PLG3lylzOg8FjF554bMGif1-y805J9p9Iq&index=12

Luis Herrnsdorf

Airline API	**VIDEO**