**Project Status Report 3**

**Due: Monday, March 13, 2017**

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| Date of Report Prepared: Wednesday, March 15, 2016 |
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Report Prepared By: Kazuma Sato

Organization:

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| Project Name:  Project Team:  Period Reporting:  Overall Project Health | CrossCampus | |
| Team 13 - xcamp.us | |
| Start Date: **Mar 1, 2017** | End Date: **Mar 13, 2017** |
| Warning | |

**Summary**

Most milestones have been delayed or missed. Due to change of plans to host the application to Amazon Web Services(AWS), fundamental architecture of the back-end has changed. except for The database schema and triggers implementation to Relational Database Service(RDS) was on schedule. The Virtual Private Cloud(VPC) and Route 53(DNS Service) has been configured. Identity and Access Management(IAM) has been configured development use. Major delay with the RESTful API implementation resulting in re-assignment of tasks. A meeting to recoup was called. As a result, tasks have been assigned.

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| **Accomplishments**  **as Planned 🡪** | **Assigned To** |  | **Planned but not Accomplished 🡪** | **Assigned from / to** |
| AWS Initial Setup with VPC, Route 53, and IAM | Mark Gallant-Wheeler |  | RESTful API Implementation to AWS: Lambda | Pavle Boraniev to  Kazuma Sato |
| MySQL Database Schema, Triggers on AWS:RDS | Kazuma Sato |  | AWS: API Gateway Model/Resource Mapping | Pavle Boraniev to  Kazuma Sato |

**Upcoming Objectives**

The completion of the back-end host application is imperative. Cognito must have User Pools and Groups and Federated Identities configured with permissions associated with IAM Groups, Users, Roles, and Policies need to be fully configured for user authorization, authorization and access control. AWS: Simple Storage Service needs to be configured to trigger Lambda functions to update the Files table it the database upon delete and upload. API Gateway resource mapping must be deployed to the development stage with all HTTP methods integrated with Lambda functions.

Client application for both web and Android also need to be completed. Luckily, the switch to AWS does not change the design of the clients.

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| **Planned Activities/Tasks for Next Period** | |  |
| Activity/Task | Due Date and Duration | Assigned To |
| Create Cognito User Pools, and Groups with Federated Identities | March 17, 2017  1 Day | Mark Gallant-Wheeler |
| Lambda Functions for API and Proxy Integration to API Gateway and S3 | March 19, 2017  34 Days | Kazuma Sato |
| API Gateway Resource Mapping | March 17,2017  22 Days | Kazuma Sato |
| Web Client Application Layer | March 31, 2017  13 days | Mark Gallant Wheeler,  Kazuma Sato |
| Web Client UX/UI implementation | March 31, 2017  11 Days | Mark Gallant Wheeler,  Kazuma Sato |
| Android Client Application Layer | March 31, 2017  21 Days | Pavle Boraniev |
| Android Client UX/UI implementation | March 31, 2017  11 Days | Pavle Boraniev |
| Testing | April 2, 2017  2 Days | Mark Gallant Wheeler,  Kazuma Sato,  Pavle Boraniev |
| Deployment | April 4, 2017  2 Days | Mark Gallant Wheeler,  Kazuma Sato,  Pavle Boraniev |

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| **Milestones for Next Period** | |  |
| Milestone (Objective) | Delivery Date | Assigned To |
| Development Complete | March 31, 2017 | Entire Team |
| Testing Complete | April 2, 2017 | Entire Team |
| Deployment Complete | April 4, 2017 | Entire Team |

**Managing Issues and Risk**

Due to time and resource constraints, there are many risks. If any of the tasks are delayed, there is risk of the project not meeting the deadline. Daily constant communication with status updates should minimize risk factor.

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| **Issues/Problems** | **Resolution Strategy** | **Due Date** | **Assigned To** |
| Insufficient resources for mobile application | Assigning a dedicated resource to task | March 31,2017 | Pavle Boraniev |

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| **Upcoming Risks** | **Risk Ranking**  **(Hi, Med, Low)** | **Risk Impact**  **(Hi, Med, Low)** | **Mitigation Strategy** | **Assigned To** |
| Not Meeting Deadlines | Hi | Hi | Compressed Task Timeline | Entire Team |

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| **Team T-13** | **Capstone Project II**  **Minutes of Meeting**  **Date: March 8th,2017**  **Time: 12:15pm**  **Location: George Brown College**  **C Building: 4th Floor** |
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| Attendees: | Team member 1: Pavle Boraneiv  Team member 2: Mark Gallant-Wheeler  Team member 3: Kazuma Sato |
| **Agenda** | |
| **Item** | **Description** |
| Review of previous meeting | Recapped our progress; functions taking shape, test deployment space complete, FTP solution in progress, recursive querying removed. |
| Pavle ultimatum | Decided to give Pavle ultimatum: produce significant progress on data handlers for either / or web and mobile platform **by Sunday 12th**, or to complete the mobile app using our API under separate brand.  He agreed to make progress on the data handlers. |
| AWS Lambda &  API Gateway | Kazuma will begin to insert lambdas into the api, so that we can test deployment, insert dummy data into RDS and Pavle can test and continue past the data handlers. |
| AWS Cognito Storage Server and FTP | Mark will complete the login process, requiring synchronization with AWS Cognito. FTP server and connections will be made available. Mark will test role permissions once the API deployment is populated. Will work with graphic designer to produce UI and UX plans |

**Updated Gantt Chart**

