

**Virtual Jukebox**

Progress Report 1

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| --- | --- |
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| Client: | Amristar |
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**Document CONTROL**

| Document Location | A hard copy version of this document is only valid on the day it was printed.  The source of the document will be found in  \\san1\documents\Business Units\Operations\General\Curtin\_Industry\_Partnership\Software\_Engineering\_Projects\2022\templates\_and\_documentation\Progress\_Report\_template.doc |
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| **Name** | **Title** | **Date** | **Version** |
| John Ho | Manager at Amristar Solutions | 11/03/2022 | 1.0 |
| Andrew Loh | Senior Software Engineer at Amristar Solutions | 11/03/2022 | 1.0 |
| Dr Hannes Herrmann | Senior Lecturer at Curtin University | 11/03/2022 | 1.0 |
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**Purpose of this document**

The purpose of this document is to provide Amristar and other relevant stakeholders with a summary of the project at frequent intervals. Amristar uses the progress report to assess progress and the contribution of team members. Amristar also uses it to identify any issues that occur during the project at an early stage.

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# HIGHLIGHT REPORT

| **Period From:** | **14/03/2022** |  | **To:** | **10/04/2022** |
| --- | --- | --- | --- | --- |

## 

## Schedule Status



| **Forecast Duration** | 20/3/2022 to 23/10/2022 |
| --- | --- |
| **Planned End Date** | 23/10/2022 |
| **Actual / Forecast** | 23/10/2022 (forecast) |
| **Status** | In progress |

## Hours Spent

| **Item** | **Stage Baseline** | **Actual to Date** | **Forecast @ Completion** |
| --- | --- | --- | --- |
| **Package 1** | 160 | 183.5 | 183.5 |
| **Package 2** |  |  |  |
| **Package 3** |  |  |  |
| **Package 4** |  |  |  |
| **Package 5** |  |  |  |
| **Package 6** |  |  |  |
| **Total** |  |  |  |

| Go to Green Strategy |
| --- |
| - |

| Issues and Notable Events |
| --- |
| Submission of two drafts for the Technology Investigation Summary (TIS) and Prototype deliverable, with feedback used to iterate and refine the final submission. |

| Resource Activity Summary This Reporting Period |
| --- |
| Austin Bevacqua:  Worked on and completed frontend and backend research for the TIS, as well as writing the frontend and backend sections of the TIS (sections 3 and 4). Researched 10 frontend frameworks and 8 backend frameworks, and conducted prototyping on the Vue and React frameworks. In charge of organising and running scrum standups, which were held a minimum of 3 times a week, as well as sprint kickoffs and sprint retrospectives. Ensured everybody was keeping Jira up to date to make sure the current progress of the sprint was clear for all group members.  Bradley Van Der Zwan:  Worked on and completed the database research for the TIS, as well as the writing of the database section of the TIS (section 5). Also responsible for the writing and submission of meeting minutes. Additionally responsible for TIS draft submissions. Database prototyping was also completed including prototypes for two database systems (MySQL and PostgreSQL) along with two object-relational mappers prototyped (Django ORM and TypeORM).  Dillon Vincent:  Worked on researching front-end and back-end frameworks to find a suitable framework that would work for each part. After finding three suitable frameworks for the front-end and back-end, I looked at Angular more in depth and created a prototype following the online tutorial. Section 3 and 4 in the TIS report was worked on by both Austin and me. Created drafts for the application stack diagram in section 2.2 of the TIS.  Ryan Webster:  Investigated what is required to create an instant messaging system for a web application, as well as learning about back-end and front-end technologies in order to create a messaging prototype. Conducted research into Node.js and Django, comparing the benefits and drawbacks of both. Rewrote parts of the final TIS submission in order to make language more consistent. Created an instant messaging prototype using React and Node.js.  Tanaka Chitete:  Investigated music streaming SDKs for the Virtual Jukebox application. Utilised Project Brief to qualify the requirements for candidate SDKs. With those requirements in mind, researched the Spotify, Apple Music and Deezer SDKs; providing analysis in regards to the relative levels of support for each, API call limits and commercialisation. |
|  |

| Weekly Effort Charts (hours per resource) |
| --- |
| Austin Bevacqua:  Chart  Bradley Van Der Zwan:  Chart  Dillon Vincent:  Chart  Ryan Webster:  Chart  Tanaka Chitete:  Chart |

| Team Achievements This Reporting Period |
| --- |
| Submission of the Technology Investigation and Prototype assessment (deliverable 1).  Individual completion of research for each component of the tech stack to be used in production (Front-end, Back-end including the messaging component, Databases, Music streaming SDK).  Small prototypes for databases, front-end, music-streaming SDKs and chat systems were also developed. Submission of the Progress Report. |

| Risks and Issues Outlook |
| --- |
| Time constraints proved difficult due to other university units, but targets were achieved. This may become an issue with later deliverables as multiple other assessments will soon be released.  Finding common times to get together as a group to complete work was difficult, meaning that there were periods where certain group members were waiting on other members to complete their allocated tasks before continuing. |

| Planned Activity for Next Reporting Period |
| --- |
| The creation and submission of a Software Requirements Specification to formally describe the Virtual Jukebox application’s capabilities and characteristics, with one or two drafts also submitted for feedback. (Final submission - 1/05/2020)  The creation and submission of a Project Plan to outline tasks, duration, dependencies, and resourcing.  The submission of an updated progress report for that reporting period.  Two sprints will take place. Each sprint will include a kickoff and retrospective meeting, as well as 3-4 standup meetings a week. |

| Planned Resource Activity Next Reporting Period |
| --- |
| To work on the development of an SRS (approx. 65% time allocation), and the Project Plan (approx. 25% time allocation). The team will also attend two sprint kick-off meetings, and two retrospectives within the reporting period. Additionally, 3-4 stand-ups, as well as a meeting with Amristar will take place each week (approx 10% time allocation combined with agile meetings, but could be less depending on meeting times).  Austin Bevacqua:  See above paragraph.  Will organise, plan and run all standup, kickoff and retrospective meetings.  Bradley Van Der Zwan:  See above paragraph.  Will write and submit meeting minutes, and submit drafts.  Dillon Vincent:  See above paragraph.  Ryan Webster:  See above paragraph.  Tanaka Chitete:  See above paragraph. |

**Product Status:**

| **Product** | **Planned Commencement Date** | **A*c*tual Commencement Date** | **Planned Completion Date** | **Estimated  Completion Date** | **Actual Completion Date** | **Comments** |
| --- | --- | --- | --- | --- | --- | --- |
| **Scheduled Products** | | | | | | |
| **MP Managed Products** | | | | | | |
| **Technology Investigation Summary & Prototype** | 10/03 | 10/03 | 10/04 | 10/04 | 10/04 | Completed, with two draft submissions |
| **Software Requirement Specification (SRS)** | 11/04 | - | 1/05 | 1/05 | - | - |
| **Project Plan** | 11/04 | - | 1/05 | 1/05 | - | - |
| **Solution Specification** | 02/05 | - | 29/05 | 29/05 | - | - |
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| **Project Management Artefacts** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Progress Report 1** | 9/04 | 9/04 | 10/4 | 10/4 | 10/4 | Completed |
| **Progress Report 2** | 30/04 | - | 1/05 | 1/05 | - | - |
| **Progress Report 3** | 28/05 | - | 29/05 | 29/05 | - | - |
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| **SCHEDULE EXCEEDED** | **LEGEND** |
| --- | --- |
| **PROJECT BOARD DECISIONS** |
| **APPROVED – COMPLETED** |
| **COMPLETION IN LATER STAGE** |

**END OF DOCUMENT**