Team 9

Sprint 4 Deliverable

Wednesday, October 12, 2022

Budget Estimate

# AWS Services:

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| **Software / API** | **Cost** | **Description** |
| [AWS](https://aws.amazon.com/free/?trk=78b916d7-7c94-4cab-98d9-0ce5e648dd5f&sc_channel=ps&s_kwcid=AL!4422!3!438195701024!p!!g!!aws%20free&ef_id=CjwKCAjwqJSaBhBUEiwAg5W9p_JZa3PZLq3E_sxlq6sFUAuAYnd6g5xECTPvzNanQN6rlAvrEdM6xBoC7FYQAvD_BwE%3AG%3As&s_kwcid=AL!4422!3!438195701024!p!!g!!aws%20free&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=%2Aall&awsf.Free%20Tier%20Categories=%2Aall) | Free tier:   * AWS Lambda: up to 1 million requests * Amazon DynamoDB: up to 25 GB * Amazon RDS: 750 Hours | We will use AWS to run our servers, manage computing resources, and for storage and management of our databases. |

**Email API:**

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| **Software / API** | **Cost** | **Description** |
| [SendGrid](https://sendgrid.com/solutions/email-api/) | 100 emails/day at $0/mo. | \* Create email templates in the UI, send programmatically  \* Partnerships with mailbox providers like Gmail, Microsoft and Verizon Media  \* Protect data with Event Webhook security, opportunistic and enforced TLS encryption  \* Infrastructure includes automated queue handling and throttle threat detection  \* Used by top companies: yelp, uber, spotify, airbnb (scalable) |

**Weather API Candidates:**

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| **Software / API** | **Cost** | **Description** |
| [OpenWeather](https://openweathermap.org/) | Free: feature limits | 3-hour 5 days forecast, basic weather maps, air pollution and geocoding apis, weather widgets! **Advantages:** has dashboards and widgets  **Disadvantages:** Hourly weather updates very costly ($40 / month) |

Social:

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| **Software / API** | **Cost** | **Description** |
| [Outlook email API](https://www.nylas.com/pricing/) | Starting at $0.46 per user/month | API for Outlook email covering up to 10,000 users Includes creating, reading, editing, deleting, and sending emails. Sync contacts and includes security for the users.  **Advantages:** designed for programmers **Disadvantages:** limited number of users, costs $0.46 per user/month |
| [Outlook calendar](https://www.nylas.com/pricing/) [API](https://www.nylas.com/pricing/) | Starting at $0.15 per user/month | API for Outlook calendar covering up to 10,000 users. Syncs contacts and includes security for the users.  **Advantages:** designed for programmers **Disadvantages:** limited number of users, costs $0.15 per user/month |
| [Outlook email](https://www.nylas.com/pricing/) [and calendar API](https://www.nylas.com/pricing/) [package](https://www.nylas.com/pricing/) | Starting at $0.49 per user/month | APIs for Outlook email and calendar covering up to 10,000 users. Includes creating, reading, editing, deleting, and sending emails. Sync contacts and includes security for the users.  **Advantages:** designed for programmers **Disadvantages:** limited number of users, costs $0.49 per user/month |

# Health:

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| **Software/API** | **Cost** | **Description** |

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| [myfitnesspal](https://myfitnesspalapi.com/) | Starter tier is free for 100k calls per day and 25 requests per second | The MyFitnessPal API allows developers to access and integrate the functionality of MyFitnessPal with other applications and to create new applications.  MyFitnessPal is a web and mobile application that helps users track their diets and exercise. MyFitnessPal offers food and exercise logs that uses can track what they eat and their exercise in. The API enables uses to manage users, measurements, food and exercise diary, subscriptions and more.  **Advantages:** starter tier is free with a variety of health features  **Disadvantages:** prices aren’t listed for tiers above  starter |

**Travel:**

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| **Software/API** | **Cost** | **Description** |
| https://developers.amadeus.com | 3000 free calls and more | Amadeus Self-Service APIs give developers instant access to essential travel data and functionalities. In the test environment, you get a free request quota each month to build and fine-tune your apps. When you move to production, you maintain your free request quota and pay only for the  additional calls you make. |