**Rockwood-Tech Development**

**-- Email Application--**

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* **Send, receive, and manage Mail - can eventually sort and categorize by subject, date, etc. Has Boxes - Inbox, Outbox, Spam, etc.**
* **Must include Table - Mail, Contact, Box**

Design Unit Tests/Acceptance Criteria - For each story, list specific conditions that define acceptable functionality for a story, and use these to describe Unit Tests

Sam User Stories

1. As an <office manager> for a software development company, I want to be able <to manage emails from people within different departments> so that I can <effectively communicate with them individually>.

* Get Emails by department - Should return all emails from the selected department
* If no such department exists -- return 400

1. As an IT help desk employee, I would like an app that allows me to receive help requests and sort them so that I can deal with them in the order in which they were received.

* Should be able to get all help requests sorted by Date

1. I host weekly seminars/workshops for my development team and need a service that allows me to send weekly newsletters by department to inform them of subject matter

* Posts emails successfully - gets 200 Ok “email sent successfully”
* If doesn’t contain all required field -- gets 400 [field] is required

**Ryan User Stories**

1. As a <Junior Software Developer> I would like an email application that <Allows me to designate message urgency> so that i <don’t accidentally ignore important emails>.

* Add urgency property to email object. 1-10 scale. User defined.
* Messages to be displayed by urgency rating.
* If urgency rating = null, return 400.

1. As a <CTO> I would like an email application that <Gives users the option to create help tickets> so that I <have an organized place to store issues and delegate them to my IT team>.

* Add help ticket Dbo to DB.
* Help ticket will have properties for the:
  + Subject: Must be more than 4 and less than 24 chars.
  + Date created
  + Date Modified(for Technician review)
  + Email Id associated with the creator
  + Content: Min length 24 chars, max length 400 chars, with [errormessages] to suit.’
  + Tests will be done with ModelState.IsValid.

1. As a <Team Leader> I would like an email application that <allows me to sort messages by date> so that I can <keep up with the current state of my projects>.

* This just requires a method with the properties already defined.
* If no emails exist on a given date, return 404.

**Stretch Goals:**

* Paginate all of the above; we would need enough inputted data to make this feasible or worthwhile.

Russell User Stories

1. As a member of the Development team I would like to be able to Categorize my email to quickly convey the nature of my communication.
2. As an email application user I would like to have a star option on each email in order to mark my most important emails so you can easily find them later.
   * Add a boolean property to email object called isStarred
3. As an email application user I would like to have a filter that will sort emails by sender or title so that I can .
   * Create a method with a sender input parameter that will filter emails by sender id
   * Create a method that sorts through all emails and returns a list of emails with similar titles.
4. As a sales-rep I would like to have an auto-forward and redirection of messages feature so that I can automate sending information to a client list.

End of day/App Creation Tasks(these arent tickets):

1. Create GitHub
2. Create ReadMe
3. Create Initial Scaffolding
4. Create Email class (Id, Sender, Title, Content, Date)
5. Create Email Controller
6. Create Email Service
7. Create Department Class ()
8. Create Department Controller
9. Create Department Service
10. Create entity models for Email
11. Create entity models for Department

**Ticket Creation**

1. As an <office manager> for a software development company, I want to be able <to manage emails from people within different departments> so that I can <effectively communicate with them individually>.

* Get Emails by department - Should return all emails from the selected department
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* Should be able to get all help requests sorted by Date

1. I own a local dive-bar and need a service that allows me to send weekly newsletters to subscribers to inform them of new specials and events.

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4. As a team leader I would like to have an auto-forward and redirection of messages feature so that my team will be up to date on most recent exchanges.

Acceptance criteria

--When I GET emails by DEPARTMENT(id), a list of emails from the appropriate group is shown, with first name, last name, and department Id

.Data/Email.cs – [Key] EmailId, Sender: FirstName, LastName, Title/Subject, Content, DateCreated, [Foreign]Department

.Data/IdentityModels.cs – Add DbSet<Email> Emails

Add DbSet<Department> Departments